

Natural Heritage Program
List of Rare Plant Species of North Carolina
2008



Edited by Misty Franklin Buchanan, Botanist
John T. Finnegan, Information Systems Manager

North Carolina Natural Heritage Program
Office of Conservation and Community Affairs
N.C. Department of Environment and Natural Resources
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NATURAL HERITAGE PROGRAM LIST OF THE RARE PLANTS OF NORTH CAROLINA

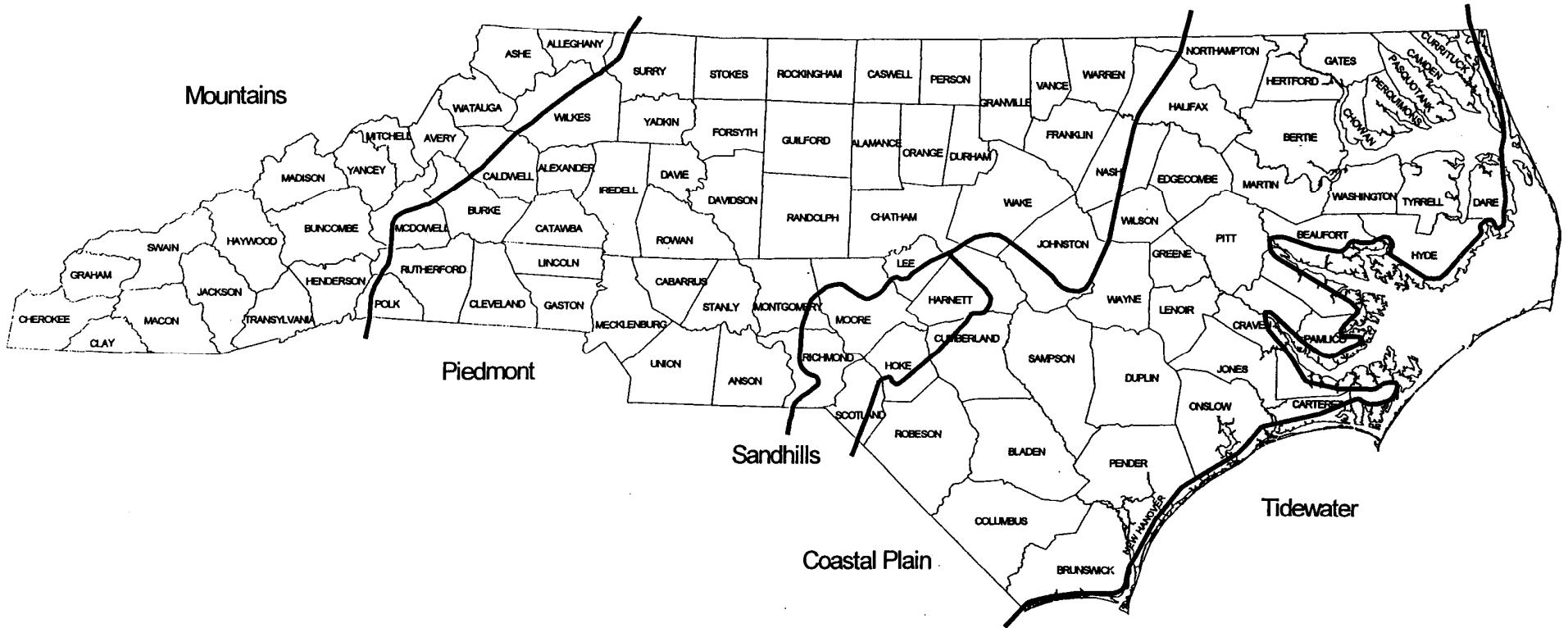
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Table of Contents

ACKNOWLEDGMENTS	1
INTRODUCTION.....	2
LIST FORMAT.....	7
NORTH CAROLINA PLANT RARE LIST	14
VASCULAR PLANTS	14
MOSSES	56
LIVERWORTS	63
HORNWORTS.....	67
LICHENS	67
NORTH CAROLINA PLANT WATCH LIST.....	69
VASCULAR PLANTS	70
MOSSES	99
LIVERWORTS	105
HORNWORTS.....	106
LICHENS	107
WATCH CATEGORY 5A AND 5B	107
WATCH CATEGORY 6 (REGIONALLY RARE)	109
PLANT TAXA ENDEMIC TO NORTH CAROLINA	111
POTENTIAL NEW TO NORTH CAROLINA PLANTS	112
RARE LIST ADDITIONS	116
WATCH LIST ADDITIONS	116
TAXA REMOVED FROM RARE AND WATCH LISTS SINCE 2006.....	117
NAME CHANGES SINCE 2006 RARE LIST PUBLICATION.....	118
APPENDIX A – PLANT CONSERVATION PROGRAM PROPOSED LIST OF ENDANGERED, THREATENED, AND SPECIAL CONCERN SPECIES.....	120
INDEX OF SCIENTIFIC NAMES	131

Cover Photo: *Marshallia sp.* 1 (Butner Barbara's-buttons) and praying mantis by Misty Buchanan, NC NHP



THE COUNTIES AND PHYSIOGRAPHIC PROVINCES OF NORTH CAROLINA

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NATURAL HERITAGE PROGRAM LIST OF RARE PLANTS OF NORTH CAROLINA

Comprehensive Threat Assessment of all Plants Tracked by the North Carolina Natural Heritage Program Introduction for 2008 list by Misty Buchanan

During 2007-2008, the North Carolina Plant Conservation Program (PCP) and North Carolina Natural Heritage Program (NHP) launched a comprehensive review of North Carolina's rare plants with the goal of identifying and assessing rarity, threats, and trends associated with all the taxa tracked by the Natural Heritage Program. The results of this assessment were used by the PCP Scientific Committee during their 2008 review of PCP's *Protected Plant List* to determine which species warrant listing and to create a list that is scientifically defensible, consistent, and intuitive. The results of the assessment can also be used to help set conservation priorities within PCP and other government and nonprofit conservation agencies.

PCP staff held 15 meetings with the PCP Scientific Committee and botanists around the state to review criteria and assess rarity, threats, and trends for 900 plant taxa tracked by NHP as endangered, threatened, or rare. Botanists who contributed to the assessment are associated with NHP and PCP as well as U.S. Fish and Wildlife Service, National Park Service, USDA Forest Service, N.C. Botanical Garden, N.C. Museum of Natural Sciences, University of North Carolina Herbarium (NCU), North Carolina State University Herbarium (NCSC), Appalachian State University Herbarium (BOON), and private botanists and consultants.

Historically in North Carolina, protected plant lists have emphasized rarity as the primary factor determining extinction risk, while the current assessment recognizes rarity as one of three factors (i.e., rarity, trends, and threats). The criteria for the assessment were modified from guidelines developed by NatureServe (Master et al. 2003) and the World Conservation Union (IUCN) (Standards and Petitions Working Group 2006). The data on rarity, threats, and trends is based on expertise from 26 botanists and biologists who participated in the review and data from NHP. NHP began collecting data in 1975 and has more than 10,800 records of rare plant occurrences.

Rarity

Measures of rarity take into account number of occurrences in the state and viability of each occurrence (population size, habitat condition, and landscape context). NHP data were used to determine viability according to Element Occurrence Ranking Specifications developed by the NatureServe network. The number of occurrences was determined using the NatureServe Element Occurrence Delimitation Guidance (NatureServe 2002). For the assessment, taxa were categorized according to the number of populations ranked as having good to excellent viability. Of the species assessed, 233 plant taxa were found to have zero viable populations (i.e., all occurrences are considered poorly viable, historical, or extirpated). The rarity assessment results are summarized in Table 1.

Table 1: Rarity categories for 900 taxa of plants evaluated in 2007-2008

Number of Viable Populations	Number of plant taxa
0	233
1 – 5	447
6 – 20	189
> 20	31

Trends

Each taxon was evaluated for short-term trends (including extent of occurrences, number of occurrences, and/or condition of occurrences). Short-term trends are defined as those that have occurred over the past 10-20 years. The number of populations known or believed to be recently extirpated was determined by NHP data and observations from experts who attended the assessment meetings. Trends are unknown for 544 species, indicating a major gap in information available about North Carolina's rare taxa. The trend assessment results are summarized in Table 2.

Table 2: Trend categories for 900 taxa of plants evaluated in 2007-2008

Trend	Number of Plant Taxa
A = Severely declining (decline of >70% in population, range, area occupied, and/or number or condition of occurrences)	7
B = Very rapidly declining (decline of 50–70%)	6
C = Rapidly declining (decline of 30–50%)	16
D = Declining (decline of 10–30%)	98
E = Stable (unchanged or remaining within ±10% fluctuation)	227
F = Increasing (increase of >10% in population)	2
U = Unknown (short-term trend unknown)	544

Threats

For the first time in North Carolina, the threats acting on each tracked plant taxon were evaluated. NHP data and other observations collected from experts during the PCP Scientific Committee meetings were used to rate up to three threats for each taxon according to the severity of the threat (i.e., how badly and irreversibly the population is affected), scope (i.e., what proportion of population in NC is affected), and immediacy (i.e., how likely the threat is and how soon is it expected). If more than three threats exist for a taxon, the three most severe were used in the threat assessment. This evaluation includes indirect and direct threats that are observed, inferred, or suspected to have an impact on the plant taxon. This evaluation also allows for the possibility of species to have no or insignificant threats.

The values calculated from the scope, severity, and immediacy of each threat were incorporated into a matrix that generated a single, consolidated threat category value for each taxon. One exception to this procedure occurred for taxa that are limited to 1-2 populations in North Carolina. These taxa are considered inherently susceptible to stochastic (unpredictable) threats and were therefore assigned to the highest threat category. Threats acting on 449 plant species are unknown, indicating another major gap in information about our state's rare plant species. The threat assessment results are summarized in Tables 3 and 4.

Table 3: Threat categories for 900 taxa of plants evaluated in 2007-2008

Threat Category	Number of Plant Taxa
A - Moderate to severe, imminent threat for >60% of population, occurrences, or area	129
B - Moderate to severe, imminent threat for a significant proportion (20-60%) of population, occurrences, or area	119
C - Moderate to severe, non-imminent threat for >60% of population, occurrences, or area	57
D - Moderate to severe, non-imminent threat for a significant proportion (20-60%) of population, occurrences, or area	23
E - Moderate to severe threat for small proportion of population, occurrences, or area	61
F - Low severity threat for most or significant proportion of population, occurrences, or area	22
G - Low severity threat for a small proportion of population, occurrences, or area	27
H – Unthreatened/Insignificant	13
U – Unknown	449

Table 4 lists all the threats associated with the 900 taxa included in the assessment. Most threats identified are extrinsic to the taxa and are generally anthropogenic. The impacts of human activity listed below include both direct (e.g., destruction of habitat) and indirect (e.g., invasive species introduction) impacts. Effects of natural phenomena (e.g., fire, hurricane, flooding) have increased in importance as the populations of some species have become concentrated in one location or a few occurrences, sometimes resulting from human activity. Factors that threaten some species' survival are necessary for the survival

of other species. For example, both the creation and the destruction of impoundments are considered threats, though to different taxa. Many threats, such as sea level rise, are considered low in scope, severity, and/or immediacy, but they may impact a high number of plant taxa. For a complete list of the threats associated with each taxon, contact NHP or PCP.

Table 4: Threats identified and number of species affected.

Threat	Number of Plant Taxa
Development	164
Fire Suppression	127
Agriculture/Silviculture (including incompatible forestry practices)	119
Invasive Exotic Species	88
Stochastic Events (unpredictable events that may cause extinction if species is represented by only one or two populations in North Carolina)	70
Trampling (including impacts from recreational hikers and ATV use)	66
Roadside Maintenance	50
Water Table Drawdown	46
Ecological Succession Favoring Woody Trees and Shrubs (from causes other than Fire Suppression); this threat affects many species in mountain bogs	43
Deliberate Hydrologic Alteration (including wetland draining by creation of ditches)	28
Sea Level Rise (Change In Hydrology)	20
Impoundment Destruction/Dam Breach	13
Sea Level Rise (Change In Salinity)	12
Power Line Corridor Maintenance	11
Over Collection or Poaching	9
Herbivory	8
Natural And Manmade Impoundments	8
Trash Dumping	8
Military Development And Training Activity	6
Climate Change	4
Beach Nourishment and Stabilization	3
Incompatible Wildlife Management Practices	3
Landslides	3
Blight	2
Drought	2
Hybridization	2
Mowing Regime Change	2
Acid Rain	1
Dredging (Salt Water Intrusion)	1
Fire Break Maintenance	1
Lack Of Disturbance (Scour)	1
Prescribed Fire	1
Railroad Maintenance	1
Scouring	1
Sedimentation	1

Threat	Number of Plant Taxa
Sewer Line Impacts Along Streams	1
Water Quality Contamination	1

Results

The primary result of the assessment was a list of proposed changes to the Plant Conservation Program *Protected Plant List*. The changes recommended by the PCP Scientific Committee are shown in Appendix A. The Plant Conservation Program Board voted in August 2008 to accept the recommendations, and at the time of this report, the recommended changes were in the rule-making process. It is expected that the recommendations will be subject to a public comment period in 2008 or 2009, and any changes in status resulting from this assessment may be in effect before publication of the *2010 Natural Heritage Program List of Rare Plants of North Carolina*. The most up-to-date list of protected plants, laws, and regulations can be found at the Plant Conservation Program Web site, www.ncplant.com. For details on how the assessment was performed or specific results, contact the PCP staff Botanist or Plant Ecologist.

This assessment also revealed a number of substantial gaps in the data available on rare plant taxa in North Carolina. Short term trends are unknown for 60% of species assessed (544 out of 900). Threats acting on populations are unknown for almost 50% of the species assessed (449 out of 900). At the same time, 75% of the species assessed have less than 6 viable populations in the state. The majority of the threats result from human activities. Most threats are expected to increase as the population of North Carolina increases. Meanwhile, conservation agencies who track and monitor rare species compete for limited funding from government and nonprofit sources. In the face of these challenges, we must find a way to do a better job collecting information about the rarest species in our state, so that we can make informed decisions about allocating our limited resources to protect the great diversity of native plants in North Carolina.

References:

- Master, L. L., L. E. Morse, A. S. Weakley, G. A. Hammerson, and D. Faber- Langendoen. 2003. NatureServe Conservation Status Assessment Criteria. NatureServe, Arlington, Virginia, U.S.A.
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NC Natural Heritage Program Rare Plant List

BACKGROUND INFORMATION. The North Carolina Natural Heritage Program (NC NHP), as part of its mission to preserve the biological diversity of North Carolina, maintains an inventory of all known locations of rare taxa. NC NHP takes the lead role in North Carolina in the inventory of the state's natural diversity and the identification of important natural areas and rare species habitats. It serves as the state's data bank of locality information of natural areas and rare and endangered plant and animal species. It conducts environmental reviews of projects involving state or federal permits or monies, to minimize negative impacts on North Carolina's natural areas and rare species.

This list incorporates the most recent federal status of rare plants, as determined by the U.S. Fish and Wildlife Service (USFWS) with amendments to the species list current to 2008. Federally listed species are protected by the Endangered Species Act of 1973, as amended. The USFWS is the federal agency responsible for listing and protecting endangered and threatened species.

This list also includes North Carolina legal status information from the most recent version of the NC Plant Conservation Program (NC PCP) *List of North Carolina's Endangered, Threatened and Candidate Plant Species*, which can be found on the website: www.ncplant.com. This website includes discussion of and information on the legal status of Endangered (E), Threatened (T), and Special Concern (SC) species. NC PCP, a unit of the Department of Agriculture and Consumer Services, is the agency responsible for the listing and protection of North Carolina's endangered and threatened plants, under provisions of the North Carolina Plant Protection and Conservation Act of 1979 (General Statutes, Article 19B, 106: 202.12_22), as amended. NC PCP acts under the direction of a Plant Conservation Board and with the advice of a Scientific Committee to maintain and revise the state lists of protected (Endangered, Threatened, and Special Concern) plant species, to investigate protection needs and survival requirements of native plants, to carry out conservation programs, to make and enforce regulations, and to issue permits concerning protected plants. In general, removal of Endangered or Threatened plants from the wild and their sale or distribution is illegal. Particular regulations concerning collection, propagation, and sale apply to those species listed as Endangered, Threatened, or Special Concern.

All plant taxa native to North Carolina which are officially recognized by federal or state agencies as protected or otherwise rare are included on this list. NC NHP, NC PCP, and USFWS work cooperatively to ensure the continued survival of all of North Carolina's rich flora.

Many species which lack formal, legal protection are nonetheless imperiled in North Carolina. Therefore, NC NHP collects data on species in addition to the three categories of protected plants (Endangered, Threatened, and Special Concern). These additional rare species are placed in two other categories of rare plants: Significantly Rare (SR) and Watch List (W). Definitions of all status categories are listed below, under "North Carolina Status."

NC NHP requests locality and population data on the species listed in this publication. Plant survey forms have been provided in the back of this publication for this purpose. For the most up-to-date information about the range of tracked plants in North Carolina, visit www.ncnhp.org.

NUMBER OF PLANT TAXA WITH THE INDICATED STATUS¹
(as of October 2008)

GROUP	APPROXIMATE NUMBER IN NORTH CAROLINA	N.C. STATUS				U.S. STATUS			
		E	T	SC	SR	E	T	C	FSC
Flowering Plants	4242	109	46	20	536	17	9	5	97
Mosses	440	5	1	-	118	-	-	-	3
Liverworts	225	2	-	-	62	-	-	-	8
Hornworts	9	-	-	-	2	-	-	-	1
Lichens	853	1	1	-	22	1	-	-	2
Total	5769	116	47	20	740	18	9	5	112

LIST FORMAT Species are placed into five groups: Vascular Plants, Mosses, Liverworts, Hornworts, and Lichens. They are listed alphabetically by scientific name within each group. The following information is presented for each species on the list.

Scientific Name. Taxonomy and nomenclature of vascular plants (dicots, monocots, gymnosperms, ferns, and fern allies) generally follow A.S. Weakley's *Flora of the Carolinas, Virginia, Georgia, Northern Florida, and Surrounding States* (*Working draft of 7 April 2008*) and J.T. Kartesz's *A Synonymized Checklist and Atlas with Biological Attributes for the Vascular Flora of the United States, Canada, and Greenland. First Edition*. (In: Kartesz, J.T., and C.A. Meacham. *Synthesis of the North American Flora, Version 1.0*. North Carolina Botanical Garden, Chapel Hill, NC. Copyright c 1999). Scientific authorities for names have been omitted to save space, but follow Weakley et al. (2008 draft) and Kartesz (1999). Taxonomy and nomenclature of nonvascular plants (mosses, liverworts, hornworts, and lichens) generally follow Bryophyte Flora of North America, provisional publication, Missouri Botanical Garden. 2006. Available at: <http://www.mobot.org/plantscience/BFNA/bfnamenu.htm>, L.E. Anderson, H.A. Crum, and W.R. Buck's *List of the Mosses of North America North of Mexico* (*Bryologist* 93: 448_499 [1990]), L.E. Anderson's *A Checklist of Sphagnum in North America North of Mexico* (*Bryologist* 93: 500_501 [1990]), R. Schuster's *The Hepaticae and Anthocerotae of North America east of the Hundredth Meridian* (1966, 1969, 1974, 1980, and 1992), M.L. Hicks's *Liverworts of the Mountains of North Carolina* (1982), M.L. Hicks's *Guide to the Liverworts of North Carolina* (1992), M.L. Hicks and P.G. Davison's *Some Rare, Endemic, and Disjunct Liverworts in North Carolina* (*Castanea* 54: 255_261 [1989]), G.B. Perlmutter's *Checklist of Lichens and Lichenicolous Fungi of North Carolina (USA)*, (Version 1 June 2008 - <http://www.checklists.de>), and Brodo, Sharnoff, and Sharnoff's *Lichens of North America* (2001).

Common Name. Common names are provided for the convenience of the user. Common names for plants are not standardized, and many plants have no satisfactory common name.

North Carolina Rank. Natural Heritage Programs, Conservation Data Centers (CDCs), NatureServe, and The Nature Conservancy (TNC) have developed a consistent method for evaluating the relative imperilment of both species and ecological communities. These assessments lead to the designation of a conservation status rank. For plant and animal species these ranks provide an estimate of extinction risk. Conservation rank values have been assigned over the past 30 years by the N.C. Natural Heritage Program, NatureServe, and a large number of collaborators in government agencies, universities, natural

¹

includes species, as well as valid unique varieties and subspecies

history museums and botanical gardens, and other conservation organizations. The information has been developed primarily to help in guiding conservation and informing environmental planning and management. Conservation status ranks are based on a one to five scale, ranging from critically imperiled (S1) to demonstrably secure (S5). These status assessments are based on the best available information, considering a variety of factors such as abundance, distribution, population trends, and threats.

RANK	NUMBER OF EXTANT POPULATIONS	NORTH CAROLINA RANK DEFINITION
S1	1-5	<u>Critically imperiled</u> - Critically imperiled in North Carolina due to extreme rarity or some factor(s) making it especially vulnerable to extirpation (local extinction) from the state. Typically five or fewer occurrences or very few remaining individuals (<1,000).
S2	6-20	<u>Imperiled</u> - Imperiled in North Carolina due to rarity or some factor(s) making it very vulnerable to extirpation from the state. Typically six to 20 occurrences or few remaining individuals (1,000 to 3,000).
S3	21-100	<u>Vulnerable</u> - Vulnerable to extinction in North Carolina either because rare or uncommon, or found only in a restricted range (even if abundant at some locations), or due to other factors making it vulnerable to extirpation. Typically 21 to 100 occurrences or between 3,000 and 10,000 individuals.
S4	101-1000	<u>Apparently secure</u> - Apparently secure and widespread in North Carolina, usually with more than 100 occurrences and more than 10,000 individuals.
S5	1001+	<u>Secure</u> - Common, widespread, and abundant in North Carolina. Essentially ineradicable under present conditions. Typically with considerably more than 100 occurrences and more than 10,000 individuals.
SH	0?	<u>Historical</u> - Of historical occurrence in North Carolina, with some expectation that it may be rediscovered. Its presence may not have been verified in the past 20 years. Upon verification of an extant occurrence, SH-ranked elements would typically receive an S1 rank. Note: an element is not automatically assigned an SH (or SX) rank if it has not been verified in the past 20 years; some effort must have been made to locate or relocate occurrences.
SX	0	<u>Presumed extirpated</u> -- Believed to be extirpated in North Carolina. Has not been located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.
SU	Unknown	<u>Unrankable</u> - Currently unrankable in North Carolina due to lack of information or substantially conflicting information about status or trends. More information is needed.
SNR	Unknown	<u>Not Ranked</u> - Rank in North Carolina not yet assessed.

SNA	N/A	<u>Not Applicable</u> - A conservation status rank is not applicable because the element is not a suitable target for conservation for one of the following reasons: - Hybrid - an interspecific hybrid without conservation value; - Exotic Origin - not native to North Carolina; - Accidental/nonregular - outside usual range and not regularly found in North Carolina; - Not confidently present - never documented as present in North Carolina; - Synonym - the taxon is not recognized by the N.C. Natural Heritage Program.
-?	-	<u>Uncertain</u> - Denotes inexact or uncertain numeric rank.

A rank involving two numbers indicates a range of uncertainty about the conservation rank in North Carolina. For example, a S2S3 rank indicates that the species may be S2 or S3, but existing data do not allow that determination to be made.

Global Rank. Similar to North Carolina ranks, global ranks are assigned by a consensus of scientific experts, Natural Heritage Programs, CDCs, NatureServe, and TNC. They apply to the status of a species throughout its range. This system is widely used by other agencies and organizations, as the best available scientific and objective assessment of a species' rarity throughout its range.

RANK	NUMBER OF EXTANT POPULATIONS	GLOBAL RANK DEFINITION
G1	1-5	<u>Critically imperiled</u> - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction. Typically five or fewer occurrences or very few remaining individuals (<1,000) or acres (<2,000) or linear miles (<10).
G2	6-20	<u>Imperiled</u> - Imperiled globally because of rarity or because of some factor(s) making it very vulnerable to extinction. Typically six to 20 occurrences or few remaining individuals (1,000 to 3,000) or acres (2,000 to 10,000) or linear miles (10 to 50).
G3	21-100	<u>Vulnerable</u> - Vulnerable globally either because very rare throughout its range, found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extinction. Typically 21 to 100 occurrences or between 3,000 and 10,000 individuals.
G4	101-1000	<u>Apparently Secure</u> - Uncommon but not rare (although it may be rare in parts of its range, particularly on the periphery) and usually widespread. Apparently not vulnerable in most of its range, but possibly cause for long-term concern. Typically more than 100 occurrences and more than 10,000 individuals.
G5	1001+	<u>Secure</u> - Common, widespread, and abundant (although it may be rare in parts of its range, particularly on the periphery). Not vulnerable in most of its range. Typically with considerably more than 100 occurrences and more than 10,000 individuals.
GH	0?	<u>Historical</u> - Known from only historical occurrences, but with some expectation that it may be rediscovered. May still be extant; further searching is needed.

GX	0	<u>Presumed Extinct</u> - Believed to be extinct throughout its range (e.g., passenger pigeon) with virtually no likelihood that it will be rediscovered. Not located despite intensive searches of historical sites and other appropriate habitat.
GU	Unknown	<u>Unrankable</u> - Currently unrankable due to lack of information or due to substantially conflicting information about status or trends; need more information.
GNR	Unknown	<u>Not Ranked</u> - Global rank not yet assessed.
T_	-	The rank of a <u>subspecies</u> or <u>variety</u> . As an example, G4T1 would apply to a subspecies of a species with an overall rank of G4, but the subspecies warranting a rank of G1.
-?	-	<u>Uncertain</u> - Denotes inexact or uncertain numeric rank.
Q	-	<u>Questionable taxonomy</u> that may reduce conservation priority. Distinctiveness of this entity as a taxon at the current level is questionable. Resolution of this uncertainty may result in change from a species to a subspecies or inclusion of this taxon in another taxon, with the resulting element having a lower-priority conservation status rank.

A rank involving two numbers indicates uncertainty of rank. For example, a G2G3 rank indicates that the species may be G2 or G3, but that existing data do not allow that determination to be made.

North Carolina Status. Endangered, Threatened, and Special Concern species have legally protected status in North Carolina through N.C. PCP. NHP maintains computer data and GIS map files on Endangered, Threatened, Proposed, Special Concern, and Significantly Rare species; paper files are maintained on Watch List species.

STATUS CODE	STATUS	NORTH CAROLINA STATUS DEFINITION
E	Endangered	"Any species or higher taxon of plant whose continued existence as a viable component of the State's flora is determined to be in jeopardy" (GS 19B 106: 202.12). (Endangered species may not be removed from the wild except when a permit is obtained for research, propagation, or rescue which will enhance the survival of the species.)
T	Threatened	"Any resident species of plant which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range" (GS 19B 106:202.12). (Regulations are the same as for Endangered species.)
SC	Special Concern	"Any species of plant in North Carolina which requires monitoring but which may be collected and sold under regulations adopted under the provisions of [the Plant Protection and Conservation Act]" (GS 19B 106:202.12). (Special Concern species that are not also listed as Endangered or Threatened may be collected from the wild and sold under specific regulations. Propagated material only of Special Concern species which are also listed as Endangered or Threatened may be traded or sold under specific regulations.)

SR	Significantly Rare	Any species not listed by the N.C. Plant Conservation Program as Endangered, Threatened, or Candidate, which is rare in North Carolina, generally with 1-100 populations in the state, frequently substantially reduced in numbers by habitat destruction (and sometimes also by direct exploitation or disease).
-L	Limited	The range of the species is limited to North Carolina and adjacent states (endemic or near endemic). These are species that may have 20-50 populations in North Carolina, but fewer than 100 populations rangewide. The preponderance of their distribution is in North Carolina and their fate depends largely on conservation here.
-T	Throughout	The species is rare throughout its range (fewer than 100 populations total).
-D	Disjunct	The species is disjunct to North Carolina from a main range in a different part of the country or world.
-P	Peripheral	The species is at the periphery of its range in North Carolina. These species are generally more common somewhere else in their ranges, occurring in North Carolina peripherally to their main ranges, mostly in habitats which are unusual in North Carolina.
-O	Other	The range of the species is sporadic or cannot be described by the other Significantly Rare categories
W	Watch List	Any other species believed to be rare and of conservation concern in the state but not warranting active monitoring at this time (see the Watch List section for a more complete discussion).
P	Proposed	A species which has been formally proposed for listing as Endangered, Threatened, or Special Concern, but has not yet completed the legally mandated listing process.

United States Status is designated by the U.S. Fish and Wildlife Service (USFWS) and the U.S. National Marine Fisheries Service in accordance with the U.S. Endangered Species Act of 1973, as amended (U.S. ESA). Plants and plant varieties, (including fungi and lichens), animal species and subspecies, and vertebrate populations are considered for Endangered or Threatened status according to the criteria established under the U.S. ESA. Proposals and determinations to add taxa or populations to the Lists of Endangered and Threatened Wildlife and Plants are published in the Federal Register. Additionally, the U.S. Fish and Wildlife Service and the National Marine Fisheries Service periodically publish a Notice of Review or Notice of Reclassification in the Federal Register that present an updated list of plant and animal taxa that are regarded as candidates or proposed for possible addition to the Lists of Endangered and Threatened Wildlife and Plants. Consult the Asheville or Raleigh Ecological Services Field Offices for more information.

STATUS CODE	STATUS	UNITED STATES STATUS DEFINITION
E	Endangered	A taxon "in danger of extinction throughout all or a significant portion of its range" (Endangered Species Act, Section 3).
T	Threatened	A taxon "likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range (Endangered Species Act, Section 3).

C	Candidate	"Taxa for which the [Fish and Wildlife] Service has on file enough substantial information on biological vulnerability and threat(s) to support proposals to list them as endangered or threatened. Proposed rules have not yet been issued because this action is precluded at present by other listing activity. Development and publication of proposed rules on these taxa are anticipated. The Service encourages State and other Federal agencies as well as other affected parties to give consideration to these taxa in environmental planning." (<i>Federal Register</i> , February 28, 1996). Taxa formerly in 'Category 1' are now considered as 'Candidate'.
FSC	(Federal) Species of Concern	A species under consideration for listing, for which there is insufficient information to support listing at this time. These species may or may not be listed in the future, and many of these species were formerly recognized as "C2" candidate species. "...The Service remains concerned about these species but further biological research and field study are needed to resolve the conservation status of these taxa. Many species of concern will be found not to warrant listing, either because they are not threatened or endangered or because they do not qualify as species under the definition in the [Endangered Species] Act. Others may be found to be in greater danger of extinction than some present candidate taxa. The Service is working with the States and other private and public interests to assess their need for protection under the Act. Such species are the pool from which future candidates for listing will be drawn." (<i>Federal Register</i> , February 28, 1996).
Physiographic Province. The provinces in which the species is known to occur are indicated. This should not be regarded as the only province(s) of the state in which the species could occur; as our knowledge of the flora of North Carolina is still very imperfect. The provinces are abbreviated as follows:		
M	Mountains (Blue Ridge)	All parts of North Carolina west of the foot of the Blue Ridge Escarpment.
P	Piedmont	All parts of North Carolina east of the foot of the Blue Ridge Escarpment and west of the Fall Line, including outlying "foothill" ranges, such as the Brushy, Uwharrie, Sauratown, and South Mountains. This province is shallowly underlain by crystalline metamorphic, igneous, or (rarely) consolidated sedimentary rocks.
S	Sandhills	Portions of Cumberland, Harnett, Hoke, Lee, Moore, Richmond, Scotland, and Montgomery counties consisting mostly of deep aeolian sands of the Middendorf and Pinehurst formations (Cretaceous to Tertiary age). The Sandhills are really part of the coastal plain but are here distinguished because of their distinctive geomorphology and vegetation. Areas somewhat resembling the Sandhills region but occurring in other parts of the state (such as Carolina bay rims and aeolian or beach ridge deposits in the outer Coastal Plain) are considered part of the Coastal Plain Province.
C	Coastal Plain	All parts of North Carolina east of the fall line, excluding the Sandhills, generally consisting of unconsolidated sands, silts, clays, and peats, though rarely shallowly underlain by consolidated coquina limestone ("marl").
T	Tidewater	Areas associated with tidal water such as the ocean and barrier islands, sounds, estuaries and mainland brackish or salt marshes.

Habitat. The known habitats are described; as with provinces, these should not be regarded as the only possible habitats of the species in the state.

Counties of known occurrence. Following the description of habitats is a listing of the known counties of occurrence in the N.C. Natural Heritage Program database. We request information about any new occurrences in the state.

- * All recorded occurrences in the county are either extirpated, have not been found in recent surveys, or have not been surveyed recently enough to be confident they are still present. Un-surveyed occurrences are regarded as historical after 20-40 years, the number depending on the species and the amount of habitat alteration in the area. An asterisk should not be regarded as a definitive statement that the species is gone from the county, but indicates that there is reason to doubt its continued existence.
- + Counties with obscure or undatable records are marked with a plus (+).
- ? If there is some question as to the validity of the county report, it is marked with a question mark (?).

The botanical exploration of North Carolina is far from complete, and many additional county records will be found, generally (but not always) in proximity to counties listed. Most species that do not have county of occurrence information listed are new to the rare list and county status information had not been compiled at the time of publication. Visit the Natural Heritage Program Web site for the most up-to-date county occurrence information: www.ncnhp.org.

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. U.S.	Rank N.C. Global
NORTH CAROLINA PLANT RARE LIST Vascular Plants			
<i>Abies fraseri</i> M: spruce-fir forests	Fraser Fir	SR-L FSC	S2 G2
<i>Acnella repens</i> C: low wet areas and floating mats in alluvial forests and swamps (Columbus, Robeson)	Creeping Spotflower	SR-D -	S1 G5
<i>Acmispon helleri</i> P: open woods over clay soils, roadsides (Cabarrus, Caswell, Catawba*, Davidson, Davie*, Granville, Iredell*, Mecklenburg, Moore, Person, Randolph, Rockingham, Rowan, Stanly*, Union, Wake, Warren*)	Carolina Birdfoot-trefoil	SR-T FSC	S3 G3
<i>Aconitum reclinatum</i> M: rich coves, seepage slopes, boulderfields, rocky stream banks, mainly associated with mafic rocks (Ashe, Avery, Buncombe, Caldwell+, Graham, Haywood, Jackson, Macon, Mitchell, Transylvania, Watauga, Yancey)	Trailing Wolfsbane	SR-T -	S3 G3
<i>Adiantum capillus-veneris</i> C: coquina limestone (marl) outcrops, also adventitious on mortar of old stone walls in Wilmington, New Hanover County (Columbus)	Venus Hair Fern	E -	S1 G5
<i>Adlumia fungosa</i> M: coves and cliffs (Alleghany*, Buncombe, Haywood, Henderson, Jackson*, Macon*, Madison, Yancey)	Climbing Fumitory	SR-P -	S2 G4
<i>Aeschynomene virginica</i> TC: freshwater to slightly brackish tidal marshes and wet ditches (Beaufort, Craven*, Hyde, Lenoir*)	Sensitive Jointvetch	E T	S1 G2
<i>Agalinis virgata</i> CS: savannas and depression pond shores (Brunswick, Carteret, Craven, Duplin+, New Hanover, Onslow, Pender, Scotland)	Branched Gerardia	SR-P -	S2 G3G4Q
<i>Agastache nepetoides</i> MP: oak--hickory forests, especially over mafic rocks (Buncombe, Madison*, Orange, Polk+)	Yellow Giant-hyssop	SR-P -	S1 G5
<i>Agrostis altissima</i> C: wet savannas (Brunswick, Carteret, Onslow, Pender)	Tall Bentgrass	SR-T -	S2 G4
<i>Agrostis mertensii</i> M: high elevation rocky summits and balds (Avery, Mitchell*, Yancey)	Arctic Bentgrass	E -	S1 G5
<i>Allium allegheniense</i> M: rock outcrops and woodlands over mafic rock at moderate to high elevations (Ashe, Caldwell)	Allegheny Onion	SR-T -	S2 G3?
<i>Allium cuthbertii</i> PM: low elevation granitic domes and other rocky sites with	Striped Garlic	SR-T -	S2 G4

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
circumneutral soils (Alexander, Chatham*, Madison*, Wilkes) <i>Allium sp. 1</i> C: wet savannas (Brunswick, Onslow, Pender)	Savanna Onion	SR-L	FSC	S1S2	G1G2
<i>Alnus viridis ssp. crispa</i> M: balds (Avery, McDowell, Mitchell)	Green Alder	SR-D	-	S1	G5T5
<i>Amaranthus pumilus</i> T: ocean beaches and island-end flats (Brunswick, Carteret, Currituck*, Dare, Hyde, New Hanover, Onslow, Pender)	Seabeach Amaranth	T	T	S2	G2
<i>Amelanchier sanguinea</i> M: thin soils around mafic rock outcrops at lower and middle elevations (Buncombe, Burke, Haywood, Henderson, Jackson, Macon, McDowell, Rutherford)	Roundleaf Serviceberry	SR-P	-	S2	G5
<i>Amorpha georgiana var. confusa</i> C: wet savannas (Bladen*, Brunswick, Columbus, New Hanover*)	Savanna Indigo-bush	T	FSC	S3	G3T3
<i>Amorpha georgiana var. georgiana</i> CS: mesic to moist terraces along blackwater streams and ecotones between pocosins and savannas (Cumberland, Harnett, Hoke, Lee, Lenoir*, Moore, Pender, Richmond, Robeson*, Scotland)	Georgia Indigo-bush	E	FSC	S2	G3T2
<i>Amorpha schwerinii</i> P: dry forests (Anson, Burke, Catawba, Cleveland, Davidson, Gaston, Iredell*, Montgomery, Randolph, Rowan, Rutherford*, Stanly)	Piedmont Indigo-bush	SR-T	-	S3	G3G4
<i>Amphicarpum muehlenbergianum</i> C: clay-based Carolina bays (Hoke, Robeson, Scotland)	Florida Goober Grass	E	-	S1	G4
<i>Andropogon longiberbis</i> C: sandhills (Pender)	Long-beard Bluestem	SR-L	-	S1	G5
<i>Andropogon mohrii</i> C: wet savannas (Brunswick, Columbus, Craven, Onslow, Pender, Robeson*, Washington*)	Bog Bluestem	SR-P	-	S2	G4?
<i>Anemone berlandieri</i> P: thin soils around rock outcrops (Alexander, Anson, Mecklenburg*, Montgomery, Orange, Polk*, Rowan, Rutherford, Stanly, Union)	Southern Anemone	SR-P	-	S2	G4?
<i>Anemone caroliniana</i> P: clayey woodlands over mafic rocks (Mecklenburg, Stanly*)	Prairie Anemone	SR-P	-	S1	G5
<i>Anticlea glauca</i> M: calcareous rock outcrops (Buncombe*, McDowell, Yancey*)	White Camas	SR-P	-	S1	G5T4T5
<i>Arabis pycnocarpa var. adpressipilis</i> PM: thin soils around basic rock outcrops (Alexander, Buncombe)	Hairy Rockcress	SR-P	-	S1	G5T4Q
<i>Arenaria lanuginosa var. lanuginosa</i> TC: maritime grasslands and forests, other sandy sites, shell middens, coquina limestone (marl) outcrops (Beaufort*, Brunswick*, Carteret*,	Spreading Sandwort	SR-P	-	S1	G5T5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
Dare*, Hyde*, Jones*, Onslow, Pender*)					
<i>Arethusa bulbosa</i> MP: bogs (Alleghany, Ashe*, Avery+, Forsyth*, Henderson*, Transylvania)	Bog Rose	E	-	S1	G4
<i>Arisaema triphyllum</i> ssp. <i>stewardsonii</i> M: bogs (Alleghany, Avery, Henderson, Jackson, Macon, McDowell, Mitchell, Transylvania, Watauga, Yancey)	Bog Jack-in-the-pulpit	SR-P	-	S2	G5T4
<i>Aristida condensata</i> C: bay rims with xeric pine-oak scrub (Bladen, Hoke*, New Hanover, Pender, Richmond*, Scotland*)	Big Three-awn Grass	SR-P	-	S1	G4?
<i>Aristida simpliciflora</i> C: wet savannas (Brunswick, Columbus, Onslow, Pender)	Chapman's Three-awn	SR-T	-	S1S2	G3G4
<i>Aristida tenuispica</i> C: xeric sandhill scrub (New Hanover, Pender)	Hillsboro Three-awn Grass	SR-P	-	S1	G5TNR
<i>Arnoglossum ovatum</i> C: wet savannas (Bladen*, Brunswick, Columbus, Jones, Onslow, Pender)	Savanna Indian-plantain	SR-P	-	S2	G4G5
<i>Asclepias pedicellata</i> C: dry savannas and moist flatwoods (Bladen, Brunswick, Carteret, Columbus, New Hanover, Onslow, Pender, Sampson)	Savanna Milkweed	SR-P	-	S3	G4
<i>Asclepias purpurascens</i> PC: swamps, bottomlands, edges of moist woods (Bertie*, Hertford, Johnston, Moore, Pender)	Purple Milkweed	SR-T	-	S1?	G5?
<i>Asplenium bradleyi</i> PM: acidic rock outcrops and cliffs (Burke, Cleveland*, Gaston, McDowell, Orange, Polk, Rutherford, Stokes)	Bradley's Spleenwort	SR-P	-	S2	G4
<i>Asplenium heteroresiliens</i> C: coquina limestone outcrops (Bladen, Craven, Jones, Onslow*)	Carolina Spleenwort	E	FSC	S2	GNA
<i>Asplenium monanthes</i> M: outcrops near waterfalls in escarpment gorges (Jackson, Transylvania)	Single-sorus Spleenwort	E	-	S1	G4
<i>Asplenium pinnatifidum</i> PM: acidic rock outcrops and cliffs (Caldwell*, Henderson, Madison, Polk, Rutherford, Transylvania+, Wilkes)	Lobed Spleenwort	SR-P	-	S1	G4
<i>Asplenium ruta-muraria</i> M: limestone outcrops (Burke, Madison, McDowell)	Wall-rue Spleenwort	SR-P	-	S1	G5
<i>Astragalus michauxii</i> SC: dry to xeric longleaf pine-oak woodlands and river-deposited sandhills (Bladen*, Cumberland, Harnett, Hoke, Moore, New Hanover*, Pender, Richmond, Robeson*, Sampson, Scotland)	Sandhills Milk-vetch	T	FSC	S3	G3
<i>Baccharis glomeruliflora</i> T: shrubby areas on margins of brackish marshes (Brunswick*)	Silverling	SR-P	-	SH	G4

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S. -	Rank N.C.	Global
<i>Bacopa caroliniana</i> C: Shallow ponds, marshes, natural lakes, and tidal creeks (Bladen, Brunswick, Columbus, New Hanover*, Pender)	Blue Water-hyssop	SR-P	-	S1	G4G5
<i>Bacopa innominata</i> C: tidal freshwater marshes (Chowan*, New Hanover*, Pender*)	Tropical Water-hyssop	SR-P	-	SH	G3G5
<i>Bacopa rotundifolia</i> C: natural lakes	Round-leaf Water-hyssop	SR-D	-	SH	G5
<i>Balduina atropurpurea</i> C: savannas (Bladen, Brunswick*)	Purple-disk Honeycomb-head	SR-T	FSC	S1	G2
<i>Baptisia alba</i> PCS: open woodlands, clearings (Anson, Cabarrus, Davidson, Johnston, Montgomery, Randolph, Stanly)	Thick-pod White Wild Indigo	SR-P	-	S2	G5
<i>Baptisia albescens</i> MPS: open woodlands, clearings (Anson, Burke, Catawba*, Chatham*, Cleveland, Gaston, Iredell*, McDowell, Mecklenburg*, Montgomery, Moore*, Person*, Polk*, Richmond, Rockingham*, Rowan*, Rutherford, Stanly*, Stokes, Surry*, Transylvania*, Union)	Thin-pod White Wild Indigo	SR-P	-	S2	G4
<i>Baptisia australis var. aberrans</i> P: glades and open forests on basic soils (Cabarrus*, Caswell, Durham, Granville, Montgomery, Orange+, Person*)	Prairie Blue Wild Indigo	T	-	S2	G5T2
<i>Baptisia bracteata</i> P: open woodlands (McDowell*)	Creamy Wild Indigo	SR-P	-	SH	G4G5T4?
<i>Berberis canadensis</i> PM: open forests and glades on basic soils (Alamance*, Alexander*, Buncombe*, Durham, Granville, Guilford*, Haywood*, Iredell*, Madison, McDowell, Montgomery, Orange*, Person*, Randolph*, Rockingham, Rutherford, Swain*, Transylvania*)	American Barberry	SR-T	-	S2	G3
<i>Betula cordifolia</i> M: high elevation forests and landslide scars (Yancey)	Mountain Paper Birch	SR-D	-	S1	G5
<i>Bidens coronata</i> CT: brackish marshes (Beaufort*, Chowan*, Craven*)	Crowned Beggar-ticks	SR-P	-	SH	G5
<i>Boechera missouriensis</i> P: thin soils around basic rock outcrops (Anson, Stanly, Union)	Missouri Rockcress	SR-P	-	S1	G5?Q
<i>Boechera patens</i> M: thin soils around limestone and nutrient-rich seepage from amphibolite (Madison, Rutherford, Swain)	Spreading Rockcress	SR-T	-	S1	G3
<i>Boltonia asteroides</i> CS: clay-based Carolina bays, marshes, savannas (Brunswick, Camden*, Columbus, Hoke, New Hanover, Robeson, Scotland)	White Doll's-daisy	SR-O	-	S2	G5
<i>Botrychium lanceolatum var. angustisegmentum</i> MP: cove forests (Burke, Macon*)	Lance-leaf Moonwort	SR-P	-	S1	G5TNR
<i>Botrychium matricariifolium</i>	Daisy-leaf Moonwort	SR-P	-	S1	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
MP: cove forests (Avery, Burke, Haywood, Jackson, Swain, Yancey) <i>Botrychium simplex</i> var. <i>simplex</i> M: open, grassy sites (Haywood, Jackson, Mitchell, Transylvania*)	Least Moonwort	SR-P	-	S2	G5T5
<i>Brachelytrum aristosum</i> M: northern hardwood forests (Ashe*, Avery, Caldwell*, Clay, Graham, Haywood, Jackson, Macon, Swain, Transylvania, Watauga)	Northern Shorthusk	SR-P	-	S3	G4G5
<i>Bromus ciliatus</i> M: moist areas near high elevation grassy balds (Ashe, Mitchell+, Transylvania+, Watauga)	Fringed Brome	SR-P	-	S1	G5
<i>Buchnera americana</i> CMPS: glades, open forests, streambanks, probably primarily over mafic or calcareous rocks (Cumberland*, Durham*, Harnett*, Orange*, Polk*, Sampson*, Wake*)	American Bluehearts	SR-P	-	SH	G5?
<i>Buckleya distichophylla</i> M: bluffs, dry slopes, forests on lower slopes (Buncombe, Haywood, Macon, Madison, Mitchell, Swain+)	Piratebush	E	FSC	S2	G2
<i>Bulbostylis warei</i> T: interdunes, riverine sandhills, and other xeric sand deposits (Brunswick*)	Ware's Hair Sedge	SR-P	-	SH	G3G4
<i>Calamagrostis cainii</i> M: high elevation rocky summits (Buncombe, Yancey)	Cain's Reed Grass	E	FSC	S1	G1
<i>Calamagrostis canadensis</i> M: high elevation openings (Alleghany*, Ashe, Avery, Haywood*, Jackson*, Mitchell*, Watauga*)	Canada Reed Grass	SR-P	-	S1	G5
<i>Calamagrostis porteri</i> M: middle elevation ridgeline forests (Clay, Henderson, Jackson, Rutherford, Surry, Transylvania*)	Porter's Reed Grass	SR-P	-	S1	G4
<i>Callitrichia terrestris</i> CP: low, wet places (Richmond)	Terrestrial Water-starwort	SR-O	-	S2?	G5
<i>Calopogon multiflorus</i> C: savannas (Onslow, Pender)	Many-flower Grass-pink	E	FSC	S1	G2G3
<i>Caltha palustris</i> M: boggy sites (Alleghany, Ashe, Avery*, Buncombe*, Madison*, Watauga, Yancey*)	Marsh-marigold	SR-P	-	S1	G5
<i>Camassia scilloides</i> CP: rich levees, slopes, and bottomlands (Halifax, Northampton, Vance)	Wild Hyacinth	T	-	S1	G4G5
<i>Campanula aparinoides</i> M: bogs and other wet, open sites (Alleghany, Ashe, Avery, Burke, Clay*, Haywood, Henderson, Jackson, Mitchell*, Transylvania, Wilkes*, Yancey)	Marsh Bellflower	SR-P	-	S2	G5
<i>Campanula rotundifolia</i> M: high elevation rocky summits (Ashe)	Bluebells	SR-P	-	S1	G5
<i>Cardamine clematitis</i> M: high elevation seeps, shaded outcrops, and streambanks (Avery,	Mountain Bittercress	SR-T	FSC	S2	G3

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
Caldwell, Graham, Haywood, Jackson, Mitchell, Swain*, Transylvania, Watauga, Yancey)					
<i>Cardamine dissecta</i> PM: rich woods, cove forests, bottomlands (Anson, Davidson, Durham, Guilford*, Mecklenburg*, Montgomery, Randolph, Rowan+, Rutherford+)	Dissected Toothwort	SR-P	-	S2	G4?
<i>Cardamine douglassii</i> CP: bottomlands, rich lower slopes (Cumberland, Durham, Granville, Harnett, Hertford*, Northampton, Orange*, Wake)	Douglass's Bittercress	SR-P	-	S2	G5
<i>Cardamine longii</i> C: tidal marshes and tidal cypress-gum forests (Bladen, Craven*, New Hanover, Pender)	Long's Bittercress	SR-T	-	S1	G3
<i>Cardamine micranthera</i> P: seeps, streamside sandbars, and floodplain depressions (Forsyth*, Stokes)	Small-anthered Bittercress	E	E	S1	G2
<i>Cardamine rotundifolia</i> MP: seeps, banks of mountain brooks (Ashe+, Mitchell, Stokes, Watauga, Yancey)	Mountain Watercress	SR-P	-	S2	G4
<i>Carex arctata</i> M: northern hardwood and spruce forests, bog edges	Black Sedge	SR-P	-	S1	G5?
<i>Carex argyrantha</i> M: wet meadows (Ashe)	Hay Sedge	SR-P	-	S1	G5
<i>Carex baileyi</i> MP: bogs and seeps (Alleghany, Ashe, Avery*, Mecklenburg*, Transylvania*, Watauga)	Bailey's Sedge	SR-P	-	S2	G4
<i>Carex barrattii</i> MS: seepage slopes (Harnett*, Henderson*)	Barratt's Sedge	E	-	SH	G4
<i>Carex basiantha</i> C: mesic forests, bottomlands, and lower slopes, over calcareous rock (Jones, Pender)	Widow Sedge	SR-D	-	S1	G5
<i>Carex bushii</i> PM: open wet areas (Ashe*, Durham*, Granville*, Johnston*, Nash*, Orange, Rowan*, Stanly)	Bush's Sedge	SR-P	-	S1	G4
<i>Carex buxbaumii</i> MP: bogs and fens (Alleghany, Ashe, Forsyth*, Henderson, Watauga, Yancey*)	Brown Bog Sedge	SR-P	-	S2	G5
<i>Carex calcifugens</i> C: mesic deciduous forests and maritime woodlands (Brunswick, Carteret)	Calcium-fleeing Sedge	SR-T	-	S2?	G2G4
<i>Carex canescens ssp. disjuncta</i> CS: beaver ponds, old millponds, impoundments; usually on Nyssa biflora (Hoke, Richmond, Scotland, Tyrrell*)	Silvery Sedge	SR-P	-	S2	G5T4?
<i>Carex careyana</i> M: rich cove forests (Jackson)	Carey's Sedge	SR-P	-	S1	G4G5
<i>Carex cherokeensis</i> CMP: floodplains (Cherokee*, Madison, Pender, Polk)	Cherokee Sedge	SR-P	-	S1	G4G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S. FSC	Rank N.C.	Global
<i>Carex communis</i> var. <i>amplisquama</i> M: rich woods (Henderson, Polk)	Fort Mountain Sedge	SR-T	FSC	S1	G5T3
<i>Carex conoidea</i> MP: bogs (Ashe, Iredell*)	Cone-shaped Sedge	T	-	S1	G5
<i>Carex cristatella</i> M: grassy balds, bogs (Jackson*, Swain*)	Small-crested Sedge	SR-P	-	SH	G5
<i>Carex crus-corvi</i> C: swamp forests (Bertie*, Columbus, Edgecombe*, Martin*, Pitt*)	Crowfoot Sedge	SR-P	-	S1	G5
<i>Carex decomposita</i> CP: beaver ponds, old millponds; often on Taxodium ascendens trunks and knees (Brunswick, Chowan, Cumberland, New Hanover*, Richmond, Warren*)	Cypress Knee Sedge	SR-T	-	S2	G3
<i>Carex deflexa</i> M: high elevation seepy forests	A Sedge	SR-D	-	S1	G5
<i>Carex eburnea</i> M: calcareous outcrops (Madison)	Bristle-leaf Sedge	SR-P	-	S1	G5
<i>Carex emmonsii</i> CS: moist woods and stream banks (Columbus, Harnett*, Hoke, Johnston*, Jones, Moore, Northampton*, Onslow, Pender, Wayne*)	Emmons's Sedge	SR-O	-	S2	G5T5
<i>Carex exilis</i> S: seepage slopes, wet seepy powerlines (Cumberland, Harnett, Hoke, Moore*)	Coastal Sedge	T	-	S2	G5
<i>Carex hitchcockiana</i> M: moist to dryish forests over calcareous or mafic rocks (Buncombe, Jackson, Macon)	Hitchcock's Sedge	SR-P	-	S1	G5
<i>Carex hormathodes</i> C: marshes (Currituck)	A Sedge	SR-P	-	S1	G4G5
<i>Carex impressinervia</i> CP: rich alluvial forests (Anson, Harnett, Montgomery, Stanly)	Ravine Sedge	SR-T	FSC	S1	G2
<i>Carex jamesii</i> PC: rich woods, especially over mafic rocks (Caswell*, Cumberland, Durham, Halifax*, Harnett, Lee, Moore, Northampton*)	James's Sedge	SR-P	-	S2	G5
<i>Carex lasiocarpa</i> var. <i>americana</i> M: shallow water of alkaline spring seep, hummocks in acidic basin marsh, high elevation fen over amphibolite (Ashe)	Slender Sedge	SR-P	-	S1	G5T5
<i>Carex leptonervia</i> M: rich cove forests and seepage slopes (Alleghany, Avery*, Buncombe, Clay*, Graham, Haywood, Henderson, Jackson, Macon, Madison*, Swain*, Transylvania, Watauga, Yancey)	A Wood Sedge	SR-P	-	S2	G4
<i>Carex lupuliformis</i> CP: moist bottomlands, especially in calcareous or mafic areas (Bertie, Brunswick, Craven*, Forsyth*, Jones)	Hop-like Sedge	SR-P	-	S1	G4
<i>Carex lutea</i>	Golden Sedge	E	E	S2	G2

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C: ecotones between very wet clay savannas and swamp forests (Onslow, Pender)					
<i>Carex meadii</i>	Mead's Sedge	SR-P	-	S1	G4G5
P: low wet places over diabase (Durham*, Granville)					
<i>Carex misera</i>	Wretched Sedge	SR-L	-	S3	G3
M: high elevation rock outcrops (Ashe, Avery, Buncombe, Burke*, Caldwell, Clay, Haywood, Henderson, Jackson, Macon, Mitchell, Swain, Transylvania, Watauga, Yancey)					
<i>Carex oligocarpa</i>	Rich-woods Sedge	SR-P	-	S1	G4
M: rich woods, mostly over calcareous or mafic rocks (McDowell)					
<i>Carex oligosperma</i>	Few-seeded Sedge	E	-	S1	G5?
M: seeps and bogs (Avery, Mitchell, Watauga)					
<i>Carex pedunculata</i>	Longstalk Sedge	SR-P	-	S2	G5
M: rich cove forests (Henderson, Polk, Transylvania)					
<i>Carex projecta</i>	Necklace Sedge	SR-P	-	S1	G5
CMP: bogs, marshes, swamps, brownwater floodplain forests and openings (Avery, Cherokee*, Cumberland*, Iredell*, Lee, Madison, Mecklenburg*, Mitchell, Swain*, Transylvania)					
<i>Carex purpurifera</i>	Purple Sedge	SR-P	-	S2	G4?
M: low elevation, rich forests over limestone or marble (Cherokee, Clay, Graham, Macon)					
<i>Carex radfordii</i>	Radford's Sedge	E	FSC	S1	G2
M: rich cove forests in the Blue Ridge escarpment region (Jackson, Polk)					
<i>Carex reniformis</i>	Kidney Sedge	SR-P	-	S1	G4?
CP: swamps, open wet areas (Bladen, Johnston*, Sampson, Wake*)					
<i>Carex roanensis</i>	Roan Sedge	SR-T	-	S2	G2G3
M: forests (Ashe, Avery, Buncombe, Haywood, Madison*, McDowell, Mitchell, Transylvania, Watauga, Yancey)					
<i>Carex schweinitzii</i>	Schweinitz's Sedge	E	FSC	SNA	G3G4
M: bogs and swamp forests					
<i>Carex socialis</i>	Social Sedge	SR-P	-	S1	G4
C: streambeds and riverbanks (Columbus, Cumberland, Pender)					
<i>Carex sp. 2</i>	Fen Sedge	SR-T	FSC	S1	G1
M: seepage over mafic or ultramafic rocks (Alleghany)					
<i>Carex sp. 4</i>	Canebrake Sedge	SR-L	-	S2	G2G3
CS: streamhead pocosins and floodplains of small blackwater streams (Brunswick, Harnett, Hoke, Moore, Onslow, Pender, Richmond, Scotland)					
<i>Carex tenax</i>	Wire Sedge	SR-P	-	S1	G5?
CS: xeric sandhills (Moore, Wayne*)					
<i>Carex tetanica</i>	Rigid Sedge	SR-P	-	S1	G4G5

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MC: bogs and swamps (Macon, Wake*, Warren*, Wilson+)					
<i>Carex trichocarpa</i> M: marshy bogs (Ashe*, Haywood*)	Hairy-fruit Sedge	SR-P	-	SH	G4
<i>Carex trisperma</i> M: bogs, wet forests at high elevations (Avery, Buncombe+, Mitchell*, Swain*, Watauga)	Three-seeded Sedge	SR-P	-	S1	G5
<i>Carex utriculata</i> M: wet meadows (Henderson)	Beaked Sedge	SR-P	-	S1	G5
<i>Carex verrucosa</i> CM: savannas and pinelands (Beaufort*, Brunswick, Columbus*, Henderson, New Hanover*, Onslow)	Warty Sedge	SR-P	-	S2	G4
<i>Carex vesicaria</i> M: bogs (Alleghany, Ashe, Avery)	Inflated Sedge	SR-P	-	S1	G5
<i>Carex vestita</i> P: low woods (Durham*)	Velvet Sedge	SR-P	-	SH	G5
<i>Carex woodii</i> MPC: forested slopes, cove forests, and northern hardwoods (Alleghany*, Ashe, Avery, Clay, Henderson, Jackson, Jones+, Macon, Mitchell*, Orange*, Transylvania, Watauga)	Wood's Sedge	SR-P	-	S2	G4
<i>Carya laciniosa</i> PC: brownwater river levees (Bertie, Durham, Halifax)	Big Shellbark Hickory	SR-P	-	S1	G5
<i>Carya myristiciformis</i> C: wet marl forests (Brunswick, Pender)	Nutmeg Hickory	E	-	S1	G4
<i>Caulophyllum giganteum</i> M: cove forests (Alleghany, Ashe)	Northern Blue Cohosh	SR-P	-	S1	G4G5Q
<i>Celastrus scandens</i> MP: cove forests and rich woods (Ashe*, Buncombe+, Burke, Cleveland, Haywood*, Henderson, Jackson*, Macon*, Madison*, McDowell*, Mitchell*, Randolph*, Rutherford, Swain*, Transylvania*, Watauga*, Yancey*)	American Bittersweet	SR-P	-	S2?	G5
<i>Ceratophyllum australe</i> CT: pools in maritime forests, possibly other natural depression wetlands (Carteret*, Chowan)	Southern Hornwort	SR-P	-	S1	G5TNR
<i>Chamaesyce bombensis</i> T: seabeaches	Southern Seabeach Sandmat	SR-T	-	S2?	G4G5
<i>Chamaesyce cordifolia</i> CS: sandhills (Bladen, Richmond*, Wayne*)	Heartleaf Sandmat	SR-P	-	S1	G5
<i>Chamerion platyphyllum</i> M: grassy balds, roadsides, disturbed areas (Avery, Caldwell, Haywood, Mitchell, Watauga, Yancey*)	Fireweed	SR-P	-	S1	G5T5
<i>Chasmanthium nitidum</i> C: blackwater bottomlands over marl (Pender)	A Spanglegrass	SR-T	-	S1	G3
<i>Cheilanthes alabamensis</i> M: calcareous outcrops (Madison)	Alabama Lip-fern	SR-P	-	S1	G4G5
<i>Chelone cuthbertii</i> MPC: bogs (Alleghany, Ashe, Avery, Burke, Catawba, Cumberland, Jackson, Macon, Madison,	Cuthbert's Turtlehead	SR-L	FSC	S3?	G3

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McDowell, Stokes, Transylvania, Wayne, Yancey*)					
<i>Chelone obliqua</i>	Red Turtlehead	SR-T	-	S2	G4
CM: swamp forests, bogs, wet places (Burke, Gates, Hertford*, McDowell, Rutherford, Swain*, Transylvania)					
<i>Chenopodium foggii</i>	Fogg's Goosefoot	SR-T	-	SH	G3Q
M: rocky, mountain slopes					
<i>Chenopodium simplex</i>	Giant-seed Goosefoot	SR-P	-	S1	G5
M: shaded soil at bases of cliffs (Alleghany+, Ashe*, Jackson*)					
<i>Chrysoma pauciflosculosa</i>	Woody Goldenrod	E	-	S1	G4G5
C: riverine sand ridges and xeric pine-oak scrub (Columbus, Cumberland, Robeson)					
<i>Cirsium carolinianum</i>	Carolina Thistle	SR-P	-	S2	G5
P: forests and disturbed areas, mostly on basic soils (Burke, Cabarrus*, Granville, Mecklenburg, Montgomery, Rowan*, Rutherford, Wake*, Wilkes*)					
<i>Cirsium lecontei</i>	Leconte's Thistle	SR-P	-	S2	G2G3
C: savannas (Bladen*, Brunswick, Carteret, Columbus, Craven, New Hanover*, Onslow, Pender)					
<i>Cirsium nuttallii</i>	Nuttall's Thistle	SR-P	-	S1	G5
C: pine savannas, roadsides, pastures					
<i>Cladium mariscoides</i>	Twig-rush	SR-O	-	S3	G5
CSMT: bogs, fens, brackish marshes, sandhill seepage bogs (Alleghany*, Ashe, Camden, Carteret, Columbus, Craven*, Cumberland, Currituck, Dare, Harnett, Hoke, Moore, New Hanover, Onslow, Pender, Watauga, Yancey)					
<i>Clematis catesbyana</i>	Coastal Virgin's-bower	SR-P	-	S2	G4G5
TCPM: dunes, edges of maritime forests, or over dolomite (Carteret, Currituck*, Dare*, Durham*, McDowell, Onslow, Rutherford, Wake*)					
<i>Clematis occidentalis</i>	Mountain Clematis	SR-P	-	S1	G5
M: rocky forests (Ashe, Buncombe)					
<i>Clinopodium georgianum</i>	Georgia Calamint	SR-P	-	S2	G5
CPS: rock ledges near blackwater streams and disturbed pine-oak uplands (Anson*, Brunswick, Pender, Richmond, Robeson*)					
<i>Coeloglossum viride var. virescens</i>	Long-bracted Frog Orchid	SR-P	-	S1	G5T5
MP: seeps in cove forests (Ashe, Avery*, Buncombe*, Forsyth*, Haywood*, Jackson*, Watauga)					
<i>Coelorachis cylindrica</i>	Carolina Jointgrass	SR-P	-	SH	G4G5
P: open woodlands and roadsides (Anson*, Union*)					
<i>Collinsonia tuberosa</i>	Piedmont Horsebalm	SR-P	-	S1	G3G4
PM: rich hardwood forests (Alamance*, Chatham, Guilford*, Henderson*, McDowell, Montgomery, Orange*, Polk, Rutherford)					
<i>Collinsonia verticillata</i>	Whorled Horsebalm	SR-T	-	S2	G3
PM: cove forests (Polk)					
<i>Conioselinum chinense</i>	Hemlock-parsley	E	-	S1	G5

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M: high elevation seepage slopes (Avery)					
<i>Coptis trifolia</i> var. <i>groenlandica</i>	Goldthread	SR-P	-	S1	G5T5
M: bogs and moist, mossy forests (Alleghany)					
<i>Corallorrhiza wisteriana</i>	Spring Coral-root	SR-O	-	S2	G5
MPCT: nutrient-rich forests, especially over limestone, mafic rocks or shell rich sands (Buncombe*, Carteret*, Catawba*, Cleveland*, Davie*, Durham*, Graham*, Jackson*, Macon*, Madison*, McDowell*, New Hanover*, Orange*, Polk*, Rutherford, Surry*)					
<i>Coreopsis grandiflora</i> var. <i>grandiflora</i> M: acidic glades (Jackson, Macon)	Large-flowered Tickseed	SR-O	-	S1	G5T4T5
<i>Coreopsis helianthoides</i>	Beadle's Coreopsis	SR-P	-	S1S2	G3G4Q
C: swamp forests and swamp edges (Beaufort*, Brunswick, Carteret, Columbus, Craven*, Duplin*, Jones*, Onslow, Pender, Pitt*)					
<i>Cornus asperifolia</i> C: wet marl forests (Onslow, Pender)	Roughleaf Dogwood	SR-P	-	S1	G4
<i>Cornus racemosa</i> P: moist soil in riparian zones, roadsides, and thickets (Durham, Orange)	Gray Dogwood	SR-P	-	S1	G5?
<i>Corydalis micrantha</i> ssp. <i>micrantha</i> PM: thin, circumneutral soils on rock outcrops or cliffs (Alexander, Jackson*, Madison)	Slender Corydalis	SR-P	-	S1	G5T4
<i>Crataegus coccinea</i> MP: deciduous forest understories, pastures, upland thickets	Scarlet Hawthorn	SR-P	-	S2?	G5
<i>Crataegus munda</i> C: xeric or subxeric forests, scrublands, disturbed woodlands (Bladen, Cumberland*, Sampson)	Batesburg Hawthorn	SR-T	-	S2?	G3G5Q
<i>Crataegus pallens</i> M: subxeric forests, slopes, rock outcrops, especially over mafic or calcareous substrates	Pale Hawthorn	SR-L	-	S1S2	G1G2
<i>Crataegus senta</i> CM: upland hills, disturbed forests, pastures	A Hawthorn	SR-L	-	S1?	G2
<i>Crataegus succulenta</i> M: high elevation rocky summits, mesic forests, high pastures, especially over basic soil or mafic substrate	Fleshy Hawthorn	SR-P	-	S1S2	G5
<i>Crinum americanum</i> C: tidal swamp forests, tidal marshes (New Hanover*)	Swamp-lily	SR-P	-	SH	G5
<i>Crocanthemum bicknellii</i> M: rock outcrops, glades, fens (Ashe, Buncombe, Haywood, Henderson, Jackson*, Macon*, Transylvania)	Plains Sunrose	SR-P	-	S1	G5
<i>Crocanthemum carolinianum</i> CS: sandhills, pinelands, dry savannas (Brunswick, Carteret*, Craven*, Cumberland*, Hoke, New Hanover, Pender, Robeson, Wilson*)	Carolina Sunrose	SR-P	-	S1	G4
<i>Crocanthemum corymbosum</i>	Pinebarren Sunrose	SR-P	-	S1	G4G5

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TC: maritime forests (Brunswick, Carteret, Dare*)					
<i>Crocanthemum georgianum</i>	Georgia Sunrose	SR-P	-	S1	G4
TC: maritime forests (Brunswick, Carteret*, Dare*, Hyde, New Hanover)					
<i>Crocanthemum nashii</i>	Florida Scrub Frostweed	E	-	S1	G3?
(= <i>Helianthemum nashii</i>) C: coastal fringe sandhill (Brunswick, New Hanover)					
<i>Crocanthemum propinquum</i>	Creeping Sunrose	SR-P	-	S1	G4
MP: rock outcrops, glades (Alleghany, Ashe, Avery*, Buncombe, Clay, Forsyth*, Haywood, Henderson*, Rockingham*, Stokes*, Transylvania*, Watauga, Yancey)					
<i>Crocanthemum rosmarinifolium</i>	Rosemary Sunrose	SR-P	-	S2	G4
SC: dry clearings and roadsides within longleaf pine ecosystems (Hoke, Richmond, Scotland)					
<i>Croton monanthogynus</i>	Prairie-tea Croton	SR-P	-	S1	G5
MP: calcareous rock outcrops (Cabarrus*, Madison, McDowell, Union*)					
<i>Cuscuta cephalanthi</i>	Buttonbush Dodder	SR-T	-	S1	G5
MP: on woody hosts					
<i>Cuscuta coryli</i>	Hazel Dodder	SR-T	-	S1?	G5?
PM: on woody or herbaceous hosts (Burke, McDowell, Rutherford)					
<i>Cyperus dentatus</i>	Toothed Flatsedge	SR-P	-	SH	G4
C: marshes (Brunswick*, Currituck*, Dare*)					
<i>Cyperus granitophilus</i>	Granite Flatsedge	SR-T	-	S2	G3G4Q
P: granite flatrocks, other rock outcrops (Alexander*, Anson, Forsyth*, Franklin, Granville, Wake, Yadkin*)					
<i>Cyperus houghtonii</i>	Houghton's Flatsedge	SR-P	-	SH	G4?
P: dry soil					
<i>Cyperus lecontei</i>	Leconte's Flatsedge	SR-P	-	S2	G4?
C: limesink ponds (Brunswick, New Hanover*, Onslow)					
<i>Cyperus tetragonus</i>	Four-angled Flatsedge	SR-P	-	S1	G4?
T: maritime forests and barrier island grasslands (Brunswick, Carteret, Dare+, New Hanover+, Onslow, Pender)					
<i>Cyperus virens</i>	Green Flatsedge	SR-P	-	S1	G5
C: marshes and ditches (Columbus)					
<i>Cypripedium parviflorum</i> var. <i>parviflorum</i>	Small Yellow Lady's-slipper	SR-T	-	S1S2	G5T3T5
M: upper slopes of rich high elevation forests (Clay)					
<i>Cystopteris fragilis</i>	Fragile Fern	SR-P	-	S1	G5
M: high elevation cliffs (Mitchell, Watauga)					
<i>Cystopteris tennesseensis</i>	Tennessee Bladder-fern	E-SC	-	S1	G5
CM: calcareous rock outcrops (Craven, Graham*, Jones, Onslow*)					
<i>Cystopteris tenuis</i>	Upland Bladder-fern	SR-P	-	S1	G4G5
M: high elevation rocky summits, cliffs (Watauga)					
<i>Dalibarda repens</i>	Robin Runaway	E	-	S2	G5

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M: bogs and moist woods under rhododendrons (Alleghany, Ashe, Transylvania) <i>Danthonia epilis</i>	Bog Oatgrass	SR-T	FSC	S3	G3G4
MS: seepage bogs, wet seepy powerlines (Burke, Cumberland, Harnett, Haywood, Jackson, Macon, Montgomery, Moore, Richmond, Scotland) <i>Delphinium exaltatum</i>	Tall Larkspur	E-SC	FSC	S2	G3
MP: grassy balds, glades, woodlands, mostly over mafic rock (Alleghany, Ashe, Avery*, Caldwell*, Durham, Granville, Haywood, Jackson, McDowell, Mecklenburg*, Mitchell*, Watauga) <i>Dendrolycopodium dendroideum</i>	Prickly Ground-pine	SR-P	-	S2	G5
M: openings and balds (Ashe, Graham, Haywood, Henderson*, Jackson, Swain, Transylvania*) <i>Deschampsia cespitosa</i> ssp. <i>glauca</i>	Tufted Hairgrass	SR-P	-	S1	G5T5
M: olivine barrens, high elevation outcrops of mafic rock (Clay) <i>Desmodium fernaldii</i>	Fernald's Tick-trefoil	SR-P	-	S1	G4
SC: dry to mesic hardwood-pine woodlands (Brunswick*, Cumberland, Dare*, Duplin*, Edgecombe*, Gates*, Hoke, Jones*, Lenoir*, Martin*, Richmond, Scotland*, Washington*) <i>Desmodium ochroleucum</i>	Creamy Tick-trefoil	SR-T	FSC	SH	G1G2
MP: sandy or rocky woodland openings (Davie*, Orange*, Swain*) <i>Desmodium sessilifolium</i>	Sessile Tick-trefoil	SR-P	-	SH	G5
P: open woodlands (Cabarrus*, Mecklenburg*) <i>Diarrhena americana</i>	Eastern Beakgrass	SR-P	-	S1	G4?
M: rich cove forest (Jackson) <i>Dicentra eximia</i>	Bleeding Heart	SR-P	-	S2	G4
MP: rock outcrops (Buncombe, Burke, Graham, Haywood, Macon*, Madison, McDowell, Mitchell, Rutherford, Swain, Transylvania, Watauga*, Yancey) <i>Dichanthelium aciculare</i> ssp. <i>neuranthum</i>	Nerved Witch Grass	SR-D	-	S1	G3
T: maritime wet grasslands (Brunswick*, Carteret*, Dare, Hyde, New Hanover*) <i>Dichanthelium annulum</i>	A Witch Grass	SR-P	-	S1	GNR
CMP: dry sandy or rocky open woods and borders of thickets (Chatham*, Clay*, Dare*, Davie*, Durham*, Lee*, Mecklenburg*, Montgomery*, Orange*, Person*, Rowan*, Stanly, Stokes*, Wake*) <i>Dichanthelium boreale</i>	Northern Witch Grass	SR-P	-	S1	G5
MP: open woods (Alexander, Jackson, Macon, Mitchell, Moore*, Rowan, Yancey) <i>Dichanthelium caerulescens</i>	Blue Witch Grass	E	-	S1S2	G2G3
C: wet savannas with a calcareous influence (Brunswick*, Carteret, Dare, Hyde, Pender) <i>Dichanthelium fusiforme</i>	Spindle-fruited Witch Grass	SR-P	-	S1	G5?

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CS: dry sandy pinelands and other clearings (Beaufort, Bladen*, Brunswick, Columbus*, Hoke, Jones, Moore*, Onslow, Richmond*)					
<i>Dichanthelium hirstii</i> C: cypress savannas (Onslow)	Hirsts' Panic Grass	E	C	S1	G1
<i>Dichanthelium sp. 9</i> (= <i>Panicum cryptanthum</i>) C: wet streamhead pocosin openings, including utility clearings (Bladen, Brunswick, Carteret, Cumberland, Harnett, Hoke, Johnston*, Moore, New Hanover*, Onslow, Pender, Wake*)	A Witch Grass	SR-L	-	S2	G2G3
<i>Dichanthelium spretum</i> CPM: wet sands and peats of bogs, savannas, meadows, and shores (Alleghany, Onslow)	Eaton's Witch Grass	SR-D	-	S1S2	G5
<i>Didiplis diandra</i> CS: sluggish streams and ponds (Chowan*, Edgecombe*, Harnett+, Hertford*, Johnston, Moore+, Nash, Perquimans*, Richmond, Wake, Warren*)	Water Purslane	SR-P	-	S1	G5
<i>Diervilla rivularis</i> M: forests (Yancey)	Riverbank Bush-honeysuckle	SR-T	-	S1	G3
<i>Dionaea muscipula</i> CST: savannas, seepage bogs, pocosin edges (Beaufort*, Bladen, Brunswick, Carteret, Columbus, Craven, Cumberland, Duplin*, Hoke, Lenoir*, Moore*, New Hanover, Onslow, Pamlico*, Pender, Robeson*, Sampson)	Venus Flytrap	SR-L, SCFSC		S3	G3
<i>Ditrysinia fruticosa</i> C: swamp forests (Brunswick, Columbus, Pender*, Robeson)	Sebastian-bush	SR-T	-	S1?	G5
<i>Dodecatheon meadia</i> var. <i>meadia</i> PM: rich, rocky woods, over mafic or calcareous rocks (Anson, Buncombe, Davidson*, Haywood, Henderson, Iredell*, Jackson, Macon, Mecklenburg+, Montgomery, Orange*, Rutherford, Stanly, Watauga*)	Eastern Shooting-star	SR-P	-	S2	G5T5
<i>Draba ramosissima</i> MP: calcareous and mafic rock outcrops (Buncombe, Haywood, Jackson, Madison, Rutherford)	Branching Draba	SR-P	-	S2	G4
<i>Draba reptans</i> P: dry soil (Lincoln*)	Creeping Draba	SR-P	-	SH	G5
<i>Drosera filiformis</i> C: depression ponds, wet borrow pits, and ditches in various habitats including savannas, riverine sand ridges, and bay rims (Bladen, Brunswick*, Columbus, Duplin, Robeson, Sampson)	Threadleaf Sundew	SR-P	-	S2	G4
<i>Echinacea laevigata</i> P: glades, woodlands, and open areas over mafic rocks (Durham, Granville, Mecklenburg, Montgomery*, Orange*, Rockingham*)	Smooth Coneflower	E-SC	E	S1	G2
<i>Echinacea pallida</i>	Pale Coneflower	SR-D	-	S1	G4

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P: savannas, open wooded hillsides, glades (Gaston*, Granville, Madison, McDowell*, Mecklenburg*, Montgomery*, Richmond, Rutherford)					
<i>Echinacea purpurea</i>	Purple Coneflower	SR-P	-	S1	G4
MP: open woods and clearings (Graham, Jackson*, Madison*, McDowell, Randolph, Rutherford*, Yadkin*)					
<i>Echinodorus tenellus</i>	Dwarf Burhead	SR-T	-	S1	G5?
C: drawdown zones of clay-based Carolina bays and blackwater rivers (Brunswick, Robeson)					
<i>Eleocharis atropurpurea</i>	Purple Spikerush	SR-D	-	S1	G4G5
C: clay-based Carolina bays (Scotland*)					
<i>Eleocharis cellulosa</i>	Gulfcoast Spikerush	SR-P	-	S2	G4G5
CT: interdune ponds, brackish marshes & tidal freshwater marshes (Beaufort, Carteret, Dare*, Hyde, Onslow*, Washington)					
<i>Eleocharis elongata</i>	Florida Spikerush	SR-P	-	S1	G5?
C: limesink ponds (Brunswick, Onslow)					
<i>Eleocharis halophila</i>	Saltmarsh Spikerush	T	-	S1	G4
CT: brackish and freshwater marshes (Dare, Hyde*)					
<i>Eleocharis montevidensis</i>	Sand Spikerush	SR-P	-	S1	G5
CT: maritime wet grassland (Currituck*, Hyde, Onslow)					
<i>Eleocharis parvula</i>	Little-spike Spikerush	SR-D	-	S1	G5
CT: brackish and fresh marshes (Brunswick, Carteret, Hyde, Onslow)					
<i>Eleocharis robbinsii</i>	Robbins' Spikerush	SR-P	-	S2	G4G5
CS: limesink ponds, clay-based Carolina bays, peat-burn lakes, millponds, beaver ponds, artificial lakes (Bladen*, Brunswick, Carteret, Craven*, Cumberland, Harnett, Hoke, Moore, New Hanover, Onslow, Sampson, Scotland, Washington)					
<i>Eleocharis rostellata</i>	Beaked Spikerush	SR-O	-	S2	G5
CT: brackish marshes (Beaufort*, Brunswick, Camden, Carteret, Currituck, Dare, Hyde, Pamlico)					
<i>Eleocharis vivipara</i>	Viviparous Spikerush	SR-O	-	S1	G5
C: bogs and pools (New Hanover, Onslow, Pender)					
<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	Slender Wheatgrass	SR-P	-	S1	G5T5
M: olivine barrens (Clay)					
<i>Elymus virginicus</i> var. <i>halophilus</i>	Terrell Grass	SR-P	-	S1	G5T5
C: brackish marshes, maritime forests and hammocks (Beaufort*, Craven, Washington)					
<i>Enemion biternatum</i>	Eastern Isopyrum	SR-P	-	S2	G5
PC: rich bottomlands, levees, and lower slopes (Chatham*, Cumberland, Durham, Franklin, Granville, Halifax, Harnett, Lee, Northampton, Orange*, Person, Vance)					
<i>Epidendrum magnoliae</i>	Green Fly Orchid	SR-P	-	S2	G4

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C: epiphytic on trees in blackwater river swamps (Bladen, Brunswick, Columbus, New Hanover, Pender) <i>Epilobium ciliatum</i> M: seeps and bogs (Avery, Buncombe, Caldwell, Henderson, Jackson+, Macon, Madison, Mitchell+, Swain*, Watauga, Yancey+)	Purpleleaf Willowherb	SR-P	-	S2	G5
CS: blackwater creeks, natural lakes, tidal freshwater marshes (Bladen+, Brunswick*, Columbus, Craven, Cumberland, Hoke, Moore, Perquimans*, Tyrrell, Washington) <i>Eriocaulon aquaticum</i> M: bogs	Seven-angled Pipewort	SR-P	-	S2	G5
<i>Eriocaulon lineare</i> C: natural lakes (Hyde, Tyrrell) <i>Eriocaulon parkeri</i> S: streamhead seepage ecotones and seepage slopes (Cumberland, Richmond) <i>Eriocaulon texense</i>	Narrow Pipewort	E	-	SNA	G4
<i>Eriogonum tomentosum</i> C: sandhills (Bladen*) <i>Erythrina herbacea</i> TC: maritime forests (Brunswick, Carteret*, New Hanover)	Estuary Pipewort	SR-T	-	S1	G3
<i>Eupatorium anomalam</i> C: wet savannas (Pender) <i>Eupatorium godfreyanum</i> PM: woodlands, especially over mafic rocks (Burke, Caldwell, Caswell, Catawba, Cleveland, Durham, Granville*, Henderson*, McDowell, Orange*, Person, Rutherford, Swain*, Vance*, Wake*)	Anomalous Eupatorium	SR-T	-	S1?	G2G3
<i>Eupatorium leptophyllum</i> C: limesink ponds and clay-based Carolina bays (Brunswick, New Hanover, Robeson, Scotland) <i>Eupatorium paludicola</i> C: cypress savannas, clay-based bays, and small depressions ponds (Onslow, Scotland)	Godfrey's Thoroughwort	SR-P	-	S2	G4
<i>Eupatorium resinosum</i> SC: seepage bogs, impoundments, shrub swamps, openings in streamhead pocosins (Bladen, Cumberland, Harnett, Hoke, Moore, Robeson, Sampson, Scotland) <i>Eupatorium saltuense</i> P: upland forests, woodland borders (Burke, Caswell*, Cleveland, Granville*, McDowell, Person, Rutherford, Warren*)	Limesink Dog-fennel	SR-P	-	S2	G4G5
<i>Euphorbia commutata</i> MP: thin soil around mafic or calcareous outcrops (Buncombe, Caswell*, Haywood) <i>Euphorbia mercurialina</i> P: rich slopes over gabbro (Anson, Richmond) <i>Euphorbia purpurea</i>	Tall Boneset	SR-L	-	S2	G2
	Cliff Spurge	SR-P	-	S1?	G3
	Cumberland Spurge	SR-P	-	S2	G4
	Glade Spurge	SR-T	FSC	S2	G3

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M: forests, especially over mafic rock (Ashe*, Buncombe, Clay, Graham, Haywood, Jackson, Macon, Madison, Mitchell, Swain, Watauga*, Yancey)					
<i>Eurybia avita</i>	Alexander's Rock Aster	SR-T	FSC	SX	G3
M: thin soil around granitic outcrops (Transylvania*)					
<i>Eurybia mirabilis</i>	Piedmont Aster	SR-T	FSC	S2	G2G3
P: rich slopes and bottomlands (Anson, Macon*, Mecklenburg, Montgomery, Richmond, Stanly, Union)					
<i>Eurybia spectabilis</i>	Showy Aster	SR-O	-	S2?	G5
CP: pine barrens and woodland borders					
<i>Eustachys glauca</i>	Saltmarsh Fingergrass	SR-P	-	SH	G4
T: salt marshes					
<i>Filipendula rubra</i>	Queen-of-the-prairie	E	-	S1	G4G5
M: bogs, wet meadows (Buncombe*, Haywood, Macon, Watauga*, Yancey)					
<i>Fimbristylis perpusilla</i>	Harper's Fimbray	E	FSC	S1	G2
C: drawdown zones of blackwater rivers (Brunswick, Columbus)					
<i>Fleischmannia incarnata</i>	Pink Thoroughwort	SR-P	-	S2	G5
PMC: rich woods and thin woodlands over diabase, calcareous rocks, other basic rocks, or rich alluvium (Alexander, Durham*, Madison, Martin*, Polk, Richmond, Warren*, Wilkes)					
<i>Fothergilla major</i>	Large Witch-alder	SR-T	-	S3	G3
MP: dry ridgetop or bluff forests, seepage wetlands, and Piedmont longleaf pine forests (Burke, Chatham, Gaston*, Harnett, McDowell, Montgomery, Orange, Person, Polk*, Rutherford, Stanly, Stokes, Surry*, Transylvania, Wake)					
<i>Frasera carolinensis</i>	Columbo	SR-P	-	S2S3	G5
M: deciduous forests on mafic soil (Cherokee*, Clay, Macon)					
<i>Gaillardia aestivalis</i> var. <i>aestivalis</i>	Sandhills Blanket-flower	SR-P	-	S2	G5TNR
S: dry sandy roadsides, dry longleaf pine-oak uplands (Cumberland*, Hoke, Moore*, Richmond, Scotland)					
<i>Galactia mollis</i>	Soft Milk-pea	SR-P	-	S2	G4G5
CST: loamy sand depressions in longleaf pine-oak uplands (Brunswick*, Cumberland, Hoke, Richmond, Scotland, Wayne*)					
<i>Gaylussacia brachycera</i>	Box Huckleberry	SR-D	-	S1	G3
P: dry ridges and slopes (Durham)					
<i>Gaylussacia nana</i>	Confederate Huckleberry	E	-	S1	G4
C: coastal fringe sandhill (New Hanover)					
<i>Gaylussacia orocola</i>	Appalachian Dwarf Huckleberry	SR-L	-	S1	G1
M: bogs					
<i>Gelsemium rankinii</i>	Swamp Jessamine	SR-P	-	S1S2	G5
C: floodplains of blackwater rivers and streams (Brunswick, Columbus, Cumberland*, New Hanover, Pender, Robeson)					
<i>Gentiana alba</i>	Yellow Gentian	SR-D	-	SH	G4

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M: habitat not known (Watauga*) <i>Gentiana austromontana</i> M: high elevation forests and balds (Avery*)	Appalachian Gentian	SR-L	-	S2?	G3
<i>Gentianopsis crinita</i> M: glades, serpentine barrens, open sites over basic rocks (Ashe, Clay, Macon*, Watauga)	Fringed Gentian	E-SC	-	S1	G5
<i>Geum aleppicum</i> M: bogs (Avery, Swain*)	Yellow Avens	SR-P	-	S1	G5
<i>Geum geniculatum</i> M: high elevation forests, streambanks, seepage slopes (Avery, Caldwell, Mitchell, Watauga)	Bent Avens	T	FSC	S1S2	G1G2
<i>Geum laciniatum</i> var. <i>trichocarpum</i> M: bogs (Avery, Wilkes*)	Rough Avens	SR-P	-	S1	G5T3T5
<i>Geum lobatum</i> M: streambanks and ravines (Jackson*, Transylvania)	Lobed Barren-strawberry	SR-T	FSC	S1	G2
<i>Geum radiatum</i> M: high elevation rocky summits (Ashe, Avery, Buncombe, Burke*, Haywood, Mitchell, Transylvania, Watauga, Yancey)	Spreading Avens	E-SC	E	S2	G2
<i>Gillenia stipulata</i> P: forests and open woods, mainly over mafic rocks (Cabarrus*, Chatham*, Davidson, Durham, Granville, Lee*, Montgomery, Moore*, Orange*, Person, Union, Wake)	Indian Physic	SR-P	-	S2	G5
<i>Glyceria laxa</i> M: seeps (Alleghany, Avery, Henderson, Macon*, Transylvania)	Lax Mannagrass	SR-P	-	S1	G5
<i>Glyceria nubigena</i> M: high elevation seeps (Graham, Haywood, Swain, Transylvania)	Smoky Mountain Mannagrass	T	FSC	S2	G2
<i>Gratiola aurea</i> C: drawdown zones of blackwater rivers (Bladen, Brunswick, Columbus, Gates*, Pender, Sampson)	Golden Hedge-hyssop	SR-O	-	S1	G5
<i>Gratiola ramosa</i> CS: cypress savannas and clay-based Carolina bays (Hoke, Robeson*, Scotland)	Branched Hedge-hyssop	SR-P	-	S1	G4G5
<i>Gymnocarpium appalachianum</i> M: shaded and sheltered crevices on high elevation rocky summits (Ashe)	Appalachian Oak Fern	E	FSC	S1	G3
<i>Hackelia virginiana</i> MP: woods and thickets with circumneutral soil (Alleghany, Ashe*, Avery*, Burke*, Caldwell, Clay*, Gaston*, Granville, Haywood*, Jackson*, Macon*, McDowell, Polk*, Rutherford, Vance)	Virginia Stickseed	SR-P	-	S1S2	G5
<i>Hasteola suaveolens</i> M: bottomlands (Buncombe*, Henderson*, Transylvania*)	Sweet Indian-plantain	SR-T	-	S1	G4
<i>Helenium brevifolium</i> PMC: bogs, seeps, riverbanks, other wet sites (Alleghany, Brunswick*, Clay, Henderson*, Iredell, Lenoir*, Montgomery, Rowan*, Wake*)	Littleleaf Sneezeweed	E	-	S2	G4

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<i>Helenium pinnatifidum</i> C: savannas and open, wet, mucky sites (Bladen, Brunswick, Columbus, Lincoln*, New Hanover*, Pender, Robeson*)	Dissected Sneezeweed	SR-P	-	S2	G4
<i>Helenium vernale</i> C: savannas and adjacent ditches (Brunswick, Columbus)	Spring Sneezeweed	E	-	S1	G4?
<i>Helianthus floridanus</i> C: savannas and pocosins (Bladen, Brunswick+, Columbus)	Florida Sunflower	E	-	S1	G3G4
<i>Helianthus laevigatus</i> PM: shaly open woods and roadsides (Anson, Burke, Cleveland*, Davidson, Montgomery, Rowan, Rutherford, Stanly, Union)	Smooth Sunflower	SR-P	-	S2	G4
<i>Helianthus occidentalis</i> var. <i>dowellianus</i> M: sandy bottomlands (Buncombe*)	Naked-stem Sunflower	SR-P	-	SX	G2G3
<i>Helianthus schweinitzii</i> P: open woods and roadsides (Anson, Cabarrus, Davidson, Gaston, Mecklenburg, Montgomery, Randolph, Rowan, Stanly, Stokes, Surry, Union)	Schweinitz's Sunflower	E	E	S3	G3
<i>Heliotropium curassavicum</i> var. <i>curassavicum</i> T: salt flats and salt marshes (Hyde*)	Seaside Heliotrope	SR-P	-	SH	G5T5
<i>Helonias bullata</i> M: bogs (Ashe, Henderson, Jackson, Transylvania)	Swamp Pink	T-SC	T	S2	G3
<i>Heteranthera multiflora</i> C: open pools in brownwater or blackwater river floodplains (Bertie*, Martin*, Pasquotank*, Perquimans*, Washington)	Multiflowered Mud-plantain	SR-P	-	S1	G4
<i>Heuchera hispida</i> P: rich, rocky woods	Hispid Alumroot	SR-P	-	S1	G5T3?
<i>Heuchera pubescens</i> MP: rock outcrops (Alleghany, Haywood*, Madison*, Stokes*, Surry*)	Downy Alumroot	SR-P	-	S1	G4?
<i>Hexalectris spicata</i> PMC: dry or mesic woods on basic soils (Alleghany, Burke*, Cabarrus, Clay, Cumberland, Davidson*, Davie*, Durham, Franklin*, Granville*, Harnett, Hoke, Jackson*, Johnston*, Jones*, Lincoln, Macon, Madison*, Mecklenburg*, Orange, Polk*, Randolph, Rutherford, Stanly, Surry*)	Crested Coralroot	SR-P	-	S2	G5
<i>Hexastylis contracta</i> M: acidic forests under rhododendron (Buncombe, Caldwell, Henderson)	Mountain Heartleaf	E	FSC	S1	G3
<i>Hexastylis naniflora</i> P: rich deciduous forests, bluffs, and ravines (Alexander, Burke, Caldwell, Catawba, Cleveland, Iredell, Lincoln, Polk, Rutherford)	Dwarf-flowered Heartleaf	T	T	S3	G3
<i>Hexastylis rhombiformis</i> MP: cove forests (Buncombe, Henderson, Polk, Transylvania)	French Broad Heartleaf	T	FSC	S2	G2
<i>Hibiscus aculeatus</i>	Comfortroot	SR-P	-	S1	G4G5

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C: bay forests, sand ridges, and roadsides (Carteret, New Hanover, Robeson) <i>Hierochloe odorata</i> M: bogs (Ashe, Macon)	Holy Grass	E	-	S1	G5
<i>Hottonia inflata</i> CPT: pools in black- or brown-water swamps, interdune ponds (Bertie, Dare, Edgecombe*, Gates, Halifax, Johnston, Martin)	Featherfoil	SR-O	-	S1	G4
<i>Houstonia longifolia</i> var. <i>glabra</i> M: high elevation granitic domes, rarely other outcrops (Clay, Haywood, Henderson, Jackson, Macon, Madison, Transylvania)	Granite Dome Bluet	SR-L	-	S3	G4G5T2Q
<i>Houstonia montana</i> M: high elevation rocky summits, grassy balds (Ashe, Avery, Mitchell, Watauga, Yancey*)	Roan Mountain Bluet	E	E	S2	G2
<i>Hudsonia montana</i> M: gorge rim outcrops, rocky summits, pine-oak/heath ridges (Burke, McDowell)	Mountain Golden-heather	E	T	S1	G1
<i>Hudsonia tomentosa</i> T: openings in maritime forest, blowouts, and dunes (Currituck, Dare)	Sand Heather	SR-P	-	S2	G5
<i>Huperzia porophila</i> M: in spray zone of waterfalls (Henderson*, Jackson, Macon, Polk*, Rutherford, Transylvania)	Rock Fir-clubmoss	SR-P	-	S2	G4
<i>Hydrastis canadensis</i> MP: cove forests, other rich deciduous forests (Alleghany, Buncombe, Jackson, Macon, Madison, Polk, Rockingham, Stokes, Swain, Watauga*)	Goldenseal	E-SC	-	S2	G4
<i>Hydrophyllum macrophyllum</i> M: rich woods, especially rocky calcareous forests and cliffs (Buncombe, Haywood, Jackson, Madison, Yancey)	Largeleaf Waterleaf	SR-P	-	S2	G5
<i>Hymenocallis occidentalis</i> M: wooded hillsides (McDowell*)	Hillside Spider-lily	SR-P	-	SH	G4?
<i>Hymenocallis pygmaea</i> C: banks of blackwater rivers (Brunswick, Columbus)	Waccamaw River Spiderlily	SR-L	-	S1	G1G2Q
<i>Hymenophyllum tayloriae</i> M: moist grottoes and spray cliffs in escarpment gorges with high rainfall (Jackson, Macon, Transylvania)	Gorge Filmy Fern	E	FSC	S1S2	G2
<i>Hypericum adpressum</i> C: streamside seepage areas, depression ponds and other isolated wetlands (Halifax*, Northampton*)	Bog St. John's-wort	SR-T	FSC	SH	G3
<i>Hypericum brachyphyllum</i> C: pine savannas over marl (Brunswick, Columbus, Onslow, Pender)	Coastal Plain St. John's-wort	SR-P	-	S1S2	G5
<i>Hypericum fasciculatum</i> CS: beaver ponds, low pinelands, pools (Cumberland*, Hoke, Moore, New Hanover*, Robeson)	Peelbark St. John's-wort	SR-D	-	S1	G5
<i>Hypericum sp. 1</i>	Radford's St. John's-wort	SR-L	FSC	S2	G2

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P: thin soils around rock outcrops in the Brushy Mountains					
<i>Hypericum suffruticosum</i> C: pine savannas (Bladen*, Sampson*)	Pineland St. John's-wort	SR-P	-	SH	G4G5
<i>Hypoxis juncea</i> C: savannas (Bladen, Pender)	Fringed Yellow Stargrass	SR-P	-	S1	G4?
<i>Hypoxis rigidula</i> CS: savannas and seepage slopes associated with streamheads (Brunswick, Cumberland+, Hoke+, Moore*)	Stiff-leaved Yellow Stargrass	SR-P	-	S2	G4
<i>Hypoxis sessilis</i> C: savannas, pinelands (Pender*)	Sessile Yellow Stargrass	SR-P	-	SH	G4
<i>Ilex amelanchier</i> CS: blackwater swamps and riverbanks, clay-based Carolina bays (Bladen, Brunswick, Columbus, Cumberland, Harnett*, Hoke, Montgomery, Pender, Richmond, Robeson, Sampson, Scotland)	Sarvis Holly	SR-P	-	S3	G4
<i>Ilex collina</i> M: bogs, wet streamsides, or high elevation forests (Ashe, Haywood, Swain, Watauga)	Long-stalked Holly	T	-	S1	G3
<i>Ilex longipes</i> P: upland forests and woodlands (Anson*, Iredell, Mecklenburg, Nash*, Rutherford, Wilson*)	Georgia Holly	SR-P	-	S1	G5
<i>Ipomoea imperati</i> T: sea beaches and foredunes (Brunswick, Carteret)	Beach Morning-glory	SR-P	-	S1	G5
<i>Iris prismatica</i> CM: bogs, marshes, and wet powerline clearings (Harnett)	Slender Blue Iris	SR-T	-	S1S2	G4G5
<i>Isoetes microvelia</i> C: emergent riverbanks, calcareous influenced riverbanks (Brunswick, Jones, Onslow, Sampson)	Thin-wall Quillwort	E	FSC	S1	G1
<i>Isoetes piedmontana</i> P: granite flatrocks and diabase glades (Anson, Franklin, Granville, Rowan*, Rutherford, Wake)	Piedmont Quillwort	T	-	S2	G3
<i>Isoetes virginica</i> P: upland depression swamp forests, clayey soils (Cabarrus*, Caswell*, Chatham*, Person, Rowan*, Stanly*, Union*)	Virginia Quillwort	SR-L	FSC	S1	G1
<i>Isolepis carinata</i> PC: wet places, granitic flatrocks (Anson)	Keeled Beakrush	SR-P	-	S1	G5
<i>Isotria medeoloides</i> MP: forests, especially with white pine (Burke, Cherokee, Guilford, Haywood*, Henderson*, Jackson, Macon*, McDowell, Rutherford, Surry*, Transylvania)	Small Whorled Pogonia	E	T	S2	G2
<i>Iva microcephala</i> C: clay-based Carolina bays (Robeson, Scotland)	Small-headed Marsh Elder	SR-P	-	S2	G5
<i>Jeffersonia diphylla</i> M: rich cove forests, especially over calcareous rocks (Jackson, Madison)	Twinleaf	SR-P	-	S1	G5
<i>Juncus articulatus</i>	Jointleaf Rush	SR-D	-	SH	G5

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C: marshes <i>Juncus caesariensis</i> M: seepage bog (Clay, Henderson)	New Jersey Rush	E	FSC	S1	G2
<i>Juncus dudleyi</i> M: calcareous seepages and riverscours	Dudley's Rush	SR-P	-	S1	G5
<i>Juncus militaris</i> C: exposed peaty-sandy shorelines of lakes (Washington)	Bayonet Rush	SR-D	-	S1	G4
<i>Juncus trifidus</i> M: high elevation rocky summits (Ashe, Buncombe, Mitchell)	Highland Rush	E	-	S1	G5
<i>Juniperus communis</i> var. <i>depressa</i> MP: high elevation granitic domes, low elevation rocky summits (Buncombe*, Cleveland, Gaston, Macon, Rutherford)	Dwarf Juniper	SR-D	-	S1	G5T5
<i>Kalmia angustifolia</i> C: sandy, xeric to mesic hillsides (Gates)	Sheep-laurel	SR-P	-	S1	G5
<i>Lachnocaulon minus</i> CS: depression ponds and ditches (Brunswick, New Hanover, Onslow, Pender)	Brown Bogbutton	SR-P	-	S2	G3G4
<i>Lathyrus pusillus</i> P: wet, disturbed sites (Burke, McDowell, Rutherford)	Tiny Peavine	SR-D	-	S1	G5?
<i>Lechea maritima</i> var. <i>virginica</i> T: barren dunefields with Hudsonia tomentosa (Dare)	Maritime Pinweed	SR-T	-	S1	G5T3Q
<i>Lechea torreyi</i> CS: sandhills, savannas (Brunswick, Moore*, Pender)	Torrey's Pinweed	SR-P	-	S1	G4
<i>Leersia lenticularis</i> C: low woods	Catchfly Cutgrass	SR-P	-	S2?	G5
<i>Leptochloa fascicularis</i> var. <i>maritima</i> CT: fresh to brackish tidal marshes (Brunswick, Currituck, Dare*, Hyde, Tyrrell)	Long-awned Spangletop	SR-O	-	S1	G5T3T4Q
<i>Liatis aspera</i> M: glades, open woods, fens (Ashe, Burke*, Cleveland, Henderson*, Jackson*, Macon+, McDowell, Polk*, Rutherford, Transylvania*)	Rough Blazing-star	SR-P	-	S1	G4G5
<i>Liatis helleri</i> M: high elevation rocky summits, cliffs (Ashe, Avery, Burke, Caldwell, Mitchell*, Watauga)	Heller's Blazing-star	T-SC	T	S2	G2
<i>Liatis microcephala</i> M: rock outcrops, glades, dry woodlands (Macon*, Polk*, Rutherford)	Small-head Blazing-star	SR-P	-	S1	G3G4
<i>Liatis squarrulosa</i> PSM: diabase glades, open woods especially over mafic rocks; also loamy-sand soils in longleaf pine-oak sandhills (Cumberland, Durham, Graham, Granville, Harnett+, Hoke, Orange*, Person, Richmond, Robeson, Rutherford, Scotland, Stokes+, Swain*, Wake)	Earle's Blazing-star	SR-P	-	S2	G4G5
<i>Liatis turgida</i>	Shale-barren Blazing-star	SR-T	-	S1S2	G3

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M: dry rocky woods (Buncombe*, Burke, Cleveland, Macon, Polk*, Rutherford) <i>Lilaeopsis carolinensis</i>	Carolina Grasswort	T	-	S2	G3G5
TC: freshwater marshes, pools, tidal marshes (Brunswick, Camden, Currituck, Dare, Hyde, New Hanover, Pasquotank, Perquimans, Washington) <i>Lilium canadense</i> ssp. <i>canadense</i>	Yellow Canada Lily	SR-P	-	S1	G5T4?
MP: bogs, wet meadows (Cabarrus, Watauga) <i>Lilium canadense</i> ssp. <i>editorum</i>	Red Canada Lily	SR-P	-	S1	G5T4
MP: bogs, wet meadows (Alleghany, Avery*, Cabarrus, Graham, Henderson*, Randolph, Rutherford*, Stanly*) <i>Lilium grayi</i>	Gray's Lily	T-SC	FSC	S3	G3
M: bogs, wet meadows, seeps, grassy balds, high elevation forests (Alleghany, Ashe, Avery, Buncombe, Caldwell, Haywood, Henderson*, McDowell, Mitchell, Watauga, Yancey) <i>Lilium philadelphicum</i> var. <i>philadelphicum</i>	Wood Lily	SR-P	-	S2	G5T4T5
M: grassy balds, glades (Ashe, Avery, Haywood, Mitchell, Polk+, Swain, Watauga, Yancey*) <i>Lilium pyrophilum</i>	Sandhills Lily	E-SC	FSC	S2	G2
CS: streamhead pocosin ecotones and openings (Cumberland, Harnett, Hoke, Lee, Moore, Nash*, Northampton*, Richmond, Scotland) <i>Limosella australis</i>	Awl-leaf Mudwort	SR-P	-	S1	G4G5
T: tidal marshes (Currituck) <i>Lindera melissifolia</i>	Pondberry	E	E	S1	G2G3
CP: Carolina bays and seasonally wet depressions (Bladen*, Cumberland, Onslow, Orange*, Sampson) <i>Lindera subcoriacea</i>	Bog Spicebush	T	FSC	S2S3	G2G3
SP: streamhead pocosins, white cedar swamps, seepage slopes (Anson*, Cumberland, Hoke, Johnston, Lee, Montgomery, Moore, Richmond, Robeson, Scotland, Wake) <i>Linum floridanum</i> var. <i>chrysocarpum</i>	Yellow-fruited Flax	SR-T	-	S1S2	G5?T3?
C: pine savannas (Brunswick, Columbus, Onslow, Pender) <i>Linum sulcatum</i> var. <i>sulcatum</i>	Glade Flax	SR-P	-	SH	G5T5
P: diabase glades (Granville*) <i>Liparis loeselii</i>	Fen Orchid	SR-P	-	S1	G5
MT: seeps, bay swamps (Alleghany, Ashe+, Avery*, Dare, Jackson*, Rutherford*, Swain, Watauga*) <i>Lipocarpha micrantha</i>	Small-flowered Hemicarpa	E	-	SH	G5
CT: drawdown zones of blackwater rivers, salt marshes (Columbus*, Dare*) <i>Lithospermum canescens</i>	Hoary Puccoon	SR-P	-	S2	G5
P: diabase glades, open woods over diabase (Durham, Granville) <i>Litsea aestivalis</i>	Pondspice	SR-T	FSC	S2S3	G3

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Craven, Cumberland, Gates, Hoke, New Hanover, Onslow, Sampson, Wayne)					
<i>Lobelia boykinii</i> C: depression ponds and meadows and clay-based cypress savannas (Bladen*, Cumberland, Hoke, Onslow, Robeson, Scotland)	Boykin's Lobelia	T	FSC	S2	G2G3
<i>Lonicera canadensis</i> M: bogs, moist woods (Buncombe, Haywood, Jackson, Macon, Mitchell*, Transylvania, Watauga, Yancey*)	American Fly-honeysuckle	SR-P	-	S2	G5
<i>Lophiola aurea</i> C: very wet, mucky habitats in pine savannas (Brunswick, Columbus, New Hanover, Onslow)	Golden-crest	E	-	S2	G4
<i>Ludwigia alata</i> TC: interdune ponds, marshes (Brunswick*, Camden, Carteret, Craven, Currituck, Dare, Hyde, New Hanover*, Onslow*, Pasquotank, Tyrrell*)	Winged Seedbox	SR-P	-	S2	G3G5
<i>Ludwigia brevipes</i> CS: natural lake shores, blackwater stream shores and impoundments, and freshwater interdune ponds (Brunswick, Columbus, Craven*, Cumberland, Currituck*, Dare*, Gates*, Harnett*, Hyde*, Johnston*, Robeson*, Sampson*, Wayne*)	Long Beach Seedbox	SR-T	-	S1S2	G2G3
<i>Ludwigia lanceolata</i> TC: interdune ponds, open wet areas (Brunswick*, Carteret, Dare*, New Hanover)	Lanceleaf Seedbox	SR-P	-	S1	G3
<i>Ludwigia linifolia</i> CT: limesink ponds (Brunswick, Carteret, Columbus, New Hanover, Onslow)	Flaxleaf Seedbox	SR-P	-	S2	G4
<i>Ludwigia ravenii</i> C: savannas, swamps, marshes, wet open places (Brunswick*, Carteret, Chowan*, Columbus, Craven*, Duplin*, Gates*, New Hanover*, Pamlico*, Perquimans*, Sampson*)	Raven's Seedbox	SR-T	FSC	S1	G1G2
<i>Ludwigia sphaerocarpa</i> CS: bogs, pools, and lake shores (Bladen*, Columbus, Craven, Dare*, Hoke*, Johnston*, Moore, New Hanover, Richmond, Washington)	Globe-fruit Seedbox	SR-P	-	S1	G5
<i>Ludwigia suffruticosa</i> CS: limesink ponds, clay-based Carolina bays (Bladen*, Brunswick, New Hanover, Onslow, Robeson, Scotland)	Shrubby Seedbox	SR-P	-	S2	G5
<i>Lupinus villosus</i> C: sandhills and other dry sandy woods	Lady Lupine	SR-P	-	S2	G5
<i>Luziola fluitans</i> CP: pools, lakes, streams (Bladen, Columbus, Moore, Pender, Richmond, Scotland, Washington)	Southern Water Grass	SR-P	-	S2	G4G5
<i>Lycopodiella inundata</i> M: bogs and seeps (Avery, Watauga)	Bog Clubmoss	SR-P	-	S1	G5

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Province: Habitat (Counties of occurrence)		N.C.	-	N.C.	
<i>Lycopus angustifolius</i> C: bogs and marshes (Columbus)	Southern Bog Water-horehound	SR-P	-	S1	G4?Q
<i>Lysimachia asperulifolia</i> CS: pocosin/savanna ecotones, pocosins (Beaufort*, Bladen, Brunswick, Carteret, Columbus*, Cumberland, Harnett, Hoke, Montgomery*, Moore*, New Hanover, Onslow, Pamlico, Pender, Richmond, Scotland)	Rough-leaf Loosestrife	E	E	S3	G3
<i>Lysimachia fraseri</i> M: wet forest borders, roadsides, alluvial meadows (Buncombe*, Haywood*, Henderson*, Jackson, Macon, Polk*, Swain, Transylvania)	Fraser's Loosestrife	E	FSC	S3	G3
<i>Lysimachia hybrida</i> MPC: bottomlands (Pender)	Lowland Loosestrife	SR-P	-	S2?	G5
<i>Lysimachia tonsa</i> MP: upland forests and openings (Burke, Madison, Orange*, Rutherford, Surry, Vance)	Southern Loosestrife	SR-P	-	S2	G4
<i>Lythrum lanceolatum</i> C: marshes and low, wet places	Southern Winged-loosestrife	SR-T	-	S1	G5
<i>Macbridea caroliniana</i> C: blackwater swamps, savanna/pocosin ecotones, ditches (Bladen, Brunswick, Columbus, Harnett, Johnston, Jones+, Pender, Robeson, Sampson)	Carolina Bogmint	T	FSC	S2	G2G3
<i>Magnolia macrophylla</i> MP: rich deciduous forests (Gaston, Henderson, Iredell, Wake)	Bigleaf Magnolia	SR-P	-	S2	G5
<i>Malaxis bayardii</i> MP: upland forests (Caldwell*, McDowell, Watauga*)	Appalachian Adder's-mouth	SR-T	-	S1	G1G2
<i>Malaxis spicata</i> CT: maritime swamp forests, calcareous but mucky outer coastal plain swamps (Brunswick*, Carteret, Chowan, Craven, Dare, Jones*)	Florida Adder's-mouth	SR-P	-	S1	G4?
<i>Marshallia grandiflora</i> MP: bogs, dry basic soils (Henderson*, Polk*)	Large-flowered Barbara's-buttons	SR-T	FSC	SH	G2
<i>Marshallia sp. 1</i> P: clayey upland soils over diabase (Granville)	Butner Barbara's-buttons	SR-L	FSC	S1	G1
<i>Marshallia trinervia</i> M: moist rocky streambanks and in calcareous clays (Macon*)	Broadleaf Barbara's-buttons	SR-P	-	SH	G3
<i>Matelea decipiens</i> PC: thin woodlands over mafic or calcareous rocks (Alamance, Alexander, Anson, Burke, Davidson*, Durham, Franklin, Granville, Hertford*, Mecklenburg, Orange, Richmond, Rutherford, Stanly, Wake)	Glade Milkvine	SR-P	-	S2	G5
<i>Matelea obliqua</i> M: dry, rocky woodlands over calcareous rocks	Climbing Milkvine	SR-P	-	SH	G4?
<i>Meehania cordata</i> M: cove forests, boulderfields (Alleghany+, Ashe, Avery*)	Meehania	SR-P	-	S2	G5

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Haywood, Madison, Watauga, Yancey)					
<i>Melica nitens</i> M: open calcareous woods (Madison)	Three-flowered Melic	SR-P	-	S1	G5
<i>Menyanthes trifoliata</i> M: bogs (Watauga)	Buckbean	T	-	S1	G5
<i>Micranthes caroliniana</i> MP: high to middle elevation moist cliffs and rock outcrops (Alleghany, Ashe, Avery, Buncombe, Burke, Cleveland, Graham, Haywood, Jackson*, Macon, Madison, Mitchell, Rutherford, Watauga, Yancey)	Carolina Saxifrage	SR-T	FSC	S3	G3
<i>Micranthes pensylvanica</i> MP: bogs, seeps (Wake, Watauga)	Swamp Saxifrage	SR-P	-	S1	G5
<i>Micropolypodium nimbatum</i> (=Grammitis nimbata) M: spray zone behind waterfalls (Macon)	West Indian Dwarf Polypody	E	FSC	S1	G4?
<i>Milium effusum</i> M: high elevation forests or openings (Swain*)	Millet-grass	SR-P	-	SH	G5
<i>Minuartia godfreyi</i> C: tidal freshwater marshes (Craven, Jones*)	Godfrey's Sandwort	E	FSC	S1	G1
<i>Minuartia groenlandica</i> MP: high elevation and low elevation rocky summits (Alleghany, Ashe, Avery, Burke, Caldwell, Henderson, McDowell, Mitchell, Stokes+, Surry)	Greenland Sandwort	SR-D	-	S2	G5
<i>Minuartia uniflora</i> P: granite flatrocks (Anson, Rowan*, Rutherford)	Single-flowered Sandwort	E	-	S1	G4
<i>Monarda media</i> M: grassy balds (Avery, Jackson)	Purple Bee-balm	SR-P	-	S1?	G4?
<i>Monotropa odorata</i> PM: dry forests and bluffs (Alamance+, Alleghany+, Buncombe, Burke, Caldwell, Catawba, Chatham, Clay, Cleveland, Durham, Henderson, Jackson, Macon+, McDowell, Orange, Person*, Polk+, Rutherford, Stokes, Swain*, Transylvania, Wake*)	Sweet Pinesap	SR-T	FSC	S3	G3
<i>Muhlenbergia glabriflora</i> P: clay soils	Clay-pan Muhly	SR-P	-	SH	G4?
<i>Muhlenbergia glomerata</i> M: olivine barrens, fens, mafic cliffs (Ashe, Avery, Clay)	Spiked Muhly	SR-P	-	S1	G5
<i>Muhlenbergia sobolifera</i> M: dripping cliffs and rocky slopes (McDowell*, Mitchell*, Transylvania*)	Rock Muhly	SR-P	-	SH	G5
<i>Muhlenbergia torreyana</i> CS: cypress savannas (Brunswick, Cumberland, Hoke, Onslow, Pender, Richmond, Robeson)	Pinebarren Smokegrass	E	-	S2	G3
<i>Myrica gale</i> M: bogs (Henderson)	Sweet Gale	E	-	S1	G5
<i>Myriophyllum laxum</i> CS: limesink ponds, waters of natural lakes (Brunswick, Carteret, Craven*, Cumberland, Hoke, Onslow)	Loose Water-milfoil	T	FSC	S2	G3
<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil	SR-T	-	S1	G5

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CS: pools and ditches (Brunswick, Currituck*)					
<i>Myriophyllum tenellum</i>	Leafless Water-milfoil	SR-P	-	S1	G5
C: waters of natural lakes (Bladen, Washington)					
<i>Narthecium americanum</i>	Bog Asphodel	E	C	SNA	GNR
M: bogs					
<i>Narthecium montanum</i>	Appalachian Yellow Asphodel	SR-L	-	SX	GX
M: bogs (Henderson*)					
<i>Oenothera perennis</i>	Perennial Sundrops	SR-P	-	S2	G5
MPC: wet meadows and bogs (Avery*, Burke, Clay, Hertford*, Iredell*, Jackson, Macon, McDowell, Transylvania, Tyrrell*, Watauga)					
<i>Oenothera riparia</i>	Riverbank Evening-primrose	SR-L	-	S2S3	G2G3
C: tidal marshes					
<i>Oldenlandia boscii</i>	Bosc's Bluet	SR-P	-	S2	G5
C: clay-based Carolina bays (Brunswick, Columbus, Cumberland, Hoke, Scotland*)					
<i>Oplismenus hirtellus</i> ssp. <i>setarius</i>	Shortleaf Basket Grass	SR-P	-	S1	G5
TC: maritime forests, bottomlands					
<i>Orbexilum macrophyllum</i>	Bigleaf Scurfpea	E	FSC	SX	GX
M: low mountain forests or outcrops? (Polk*)					
<i>Orbexilum onobrychis</i>	Lanceleaf Scurfpea	SR-T	-	SH	G5
M: habitat in North Carolina not known (Haywood*)					
<i>Oxypolis canbyi</i>	Canby's Dropwort	E	E	S1	G2
C: clay-based Carolina bays (Scotland)					
<i>Pachysandra procumbens</i>	Allegheny Spurge	SR-P	-	S1	G4G5
P: cove forests (Polk)					
<i>Packera crawfordii</i>	Bog Ragwort	SR-T	-	S1	G2G3
CM: bogs, fens, and wet savannas (Onslow, Pender, Watauga, Yancey)					
<i>Packera millefolium</i>	Divided-leaf Ragwort	T	FSC	S2	G2
M: granitic domes, other outcrops (Buncombe, Haywood, Henderson, Jackson, Macon, McDowell, Polk, Rutherford, Transylvania)					
<i>Packera paupercula</i>	Balsam Ragwort	SR-P	-	S1?	G5
PMC: fens, bogs, and diabase glades (Alleghany*, Avery*, Burke, Caldwell*, McDowell, Nash*, Rutherford, Transylvania*, Watauga*)					
<i>Packera plattensis</i>	Prairie Ragwort	SR-P	-	S1	G5
M: mafic and calcareous glades, rock outcrops, and cliffs (Ashe, Clay, Madison)					
<i>Packera schweinitziana</i>	Schweinitz's Ragwort	E	-	S2	G5?
(= <i>Senecio schweinitzianus</i>) M: grassy balds (Avery, Buncombe, Mitchell, Watauga, Yancey)					
<i>Panicum flexile</i>	Wiry Panic Grass	SR-P	-	S1	G5
PM: glades and openings over mafic rocks (Ashe*, Durham*, Granville, Henderson, Orange*)					
<i>Panicum lithophilum</i>	Flatrock Panic Grass	SR-T	FSC	S1	G2G3Q
MP: soil islands on granite domes (Anson)					
<i>Parietaria praetermissa</i>	Large-seed Pellitory	SR-P	-	S1	G3G4

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TC: shell middens, disturbed sites, maritime forests (Brunswick*, Carteret, Hyde, New Hanover*, Onslow)					
<i>Parnassia caroliniana</i>	Carolina Grass-of-parnassus	E	FSC	S2	G3
CS: wet savannas (Bladen, Brunswick, Columbus, Cumberland, Harnett, Hoke, Lee*, Onslow, Pender, Scotland)					
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus	T	FSC	S2	G3
MCP: fens and seeps over calcareous or mafic rocks (Alleghany, Ashe, Avery*, Brunswick, Buncombe*, Clay, Columbus, Haywood, McDowell, Pender, Transylvania, Watauga)					
<i>Paronychia herniarioides</i>	Michaux's Whitlow-wort	E	-	S1	G2G4
S: sandhills (Scotland)					
<i>Parthenium auriculatum</i>	Glade Wild Quinine	SR-T	-	S2	G3G4
PM: glades and openings over mafic rocks (Burke, Durham, Franklin, Granville, Guilford*, Macon*, Mecklenburg, Montgomery, Orange, Person, Rockingham*, Rutherford, Warren*)					
<i>Paspalum dissectum</i>	Mudbank Crown Grass	SR-P	-	S2	G4?
CTP: mudflats, other open wet areas (Brunswick, Columbus, Craven, Moore, Pender, Scotland, Union*)					
<i>Paspalum fluitans</i>	Horsetail Crown Grass	SR-D	-	S1	G5
CP: seepage areas in swamp forests (Bertie*, Bladen*, Chatham*, Harnett, Martin*, Northampton*)					
<i>Paspalum vaginatum</i>	Seashore Crown Grass	SR-P	-	S1S2	G5
CPT: brackish marshes, low wet places (Carteret, Hyde)					
<i>Pedicularis lanceolata</i>	Swamp Lousewort	SR-P	-	S1	G5
M: bottomlands, swampy woods (Buncombe*, Cherokee*, Clay, Haywood, Jackson*, Macon*, Watauga*)					
<i>Pellaea wrightiana</i>	Wright's Cliff-brake	E-SC	-	S1	G5
P: rock outcrops, mafic or with nutrient-rich seepage (Alexander, Stanly)					
<i>Peltandra sagittifolia</i>	Spoonflower	SR-P	-	S2S3	G3G4
C: pocosins, other wet, peaty sites (Brunswick, Carteret, Columbus*, Craven*, Dare, Jones*, New Hanover, Onslow, Pender)					
<i>Persicaria amphibia</i>	Water Smartweed	SR-P	-	S1	G5
C: marshes (Beaufort*)					
<i>Persicaria hirsuta</i>	Hairy Smartweed	SR-P	-	S1	G3G4
CS: limesink ponds, clay-based Carolina bays, drawdown zones of blackwater riverbanks (Brunswick, Carteret*, Onslow*, Richmond*, Scotland)					
<i>Phacelia covillei</i>	Buttercup Phacelia	SR-T	FSC	S3	G3
PC: bottomlands, rich lower slopes (Alamance, Chatham, Harnett, Lee, Moore, Orange, Vance)					
<i>Phacelia maculata</i>	Spotted Phacelia	SR-P	-	S1	G3G4

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P: granite flatrocks and creek bottomlands (Cleveland)					
<i>Phanopyrum gymnocarpon</i>	Swamp Panic Grass	SR-O	-	S1	G5
C: low woods (Bladen, Martin, Pender)					
<i>Phegopteris connectilis</i>	Northern Beech Fern	SR-P	-	S2	G5
M: spray zone of waterfalls, spruce-fir forests, high elevation seepage bogs (Buncombe, Haywood, Jackson, Macon, Swain*, Transylvania)					
<i>Phemeranthus sp. 1</i> (= <i>Talinum mengesii</i>)	Piedmont Fameflower	E	-	S1?	G1?
P: shallow soil over mafic rock, where periodically wet by seepage (Granville)					
<i>Phlox subulata</i>	Moss Pink	SR-P	-	S1	G5
M: outcrops and glades, especially over mafic rocks (Ashe, Buncombe, Jackson*, Madison*, Yancey*)					
<i>Pinguicula lutea</i>	Yellow Butterwort	SR-P	-	S2	G4G5
C: savannas (New Hanover)					
<i>Pinguicula pumila</i>	Small Butterwort	SR-P	-	S2	G4
C: savannas (Carteret, Onslow, Pender)					
<i>Pityopsis graminifolia</i> var. <i>graminifolia</i>	A Silkgrass	SR-P	-	S1	G5T4
C: savannas, pine flatwoods, sandy roadsides (Brunswick, Columbus)					
<i>Plantago cordata</i>	Heart-leaf Plantain	E	-	S1	G4
P: beds of small, slate-bottomed, perennial streams (Davidson)					
<i>Plantago sparsiflora</i>	Pineland Plantain	E	FSC	S1S2	G3
C: wet savannas (Bladen*, Brunswick, Columbus, Onslow, Pender)					
<i>Platanthera flava</i> var. <i>herbiola</i>	Northern Green Orchid	SR-P	-	S1?	G4T4Q
MP: bogs and moist forests (Buncombe*, Burke, Clay*, Forsyth*, Graham*, Haywood, Jackson*, Macon*, Transylvania, Watauga)					
<i>Platanthera grandiflora</i>	Large Purple-fringed Orchid	SR-P	-	S2	G5
M: bogs, seeps, grassy balds, high elevation moist forests and banks (Alleghany, Ashe, Avery, Buncombe, Clay, Haywood*, Macon, McDowell, Swain, Transylvania*, Watauga, Yancey)					
<i>Platanthera integrata</i>	Yellow Fringeless Orchid	T	-	S2	G3G4
CMP: savannas (Brunswick, Carteret, Cherokee*, Columbus, Craven, Forsyth*, Henderson*, Onslow*, Pamlico*, Pender, Robeson*, Rowan*)					
<i>Platanthera integrilabia</i>	White Fringeless Orchid	E	C	SH	G2G3
M: bogs (Cherokee*, Henderson*)					
<i>Platanthera nivea</i>	Snowy Orchid	T	-	S1	G5
C: wet savannas (Beaufort*, Bladen*, Brunswick, Columbus*, Craven, Dare*, Hoke*, New Hanover*, Pender, Robeson*)					
<i>Platanthera peramoena</i>	Purple Fringeless Orchid	SR-P	-	S2	G5
MP: bogs, forests (Buncombe+, Burke*, Caldwell*, Clay*, Durham, Forsyth+, Guilford, Haywood*, Henderson+, Jackson*, Macon*,					

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Mitchell*, Orange, Swain*, Transylvania, Warren, Watauga, Yancey*)					
<i>Poa paludigena</i> M: bogs (Ashe, Avery, Watauga*)	Bog Bluegrass	E	FSC	S1	G3
<i>Poa palustris</i> M: spruce-fir forests, grassy balds (Avery, Haywood*, Henderson*, Macon*, Mitchell, Polk*, Swain*, Yancey*)	Swamp Bluegrass	SR-P	-	S1	G5
<i>Poa saltuensis</i> M: olivine barrens (Clay, Haywood)	A Bluegrass	SR-P	-	S1	G5
<i>Polemonium reptans var. reptans</i> PM: moist, nutrient-rich forests such as bottomlands and rich slopes (Ashe, Rockingham, Stokes*, Watauga*)	Jacob's Ladder	SR-P	-	S1	G5T5
<i>Polygala grandiflora</i> SC: sandhills (Hoke, Richmond, Robeson, Scotland)	Showy Milkwort	SR-P	-	S2	G5?
<i>Polygala hookeri</i> C: savannas (Brunswick, Carteret, Columbus*, Craven, New Hanover, Onslow, Pender)	Hooker's Milkwort	SR-T	-	S2S3	G3
<i>Polygala nana</i> M: habitat in North Carolina not known	Dwarf Milkwort	SR-D	-	SH	G5
<i>Polygala senega</i> MP: woodlands and in thin soil around outcrops, usually over mafic or calcareous rocks (Ashe, Stanly, Transylvania, Wake)	Seneca Snakeroot	SR-D	-	S2	G4G5
<i>Polygonella articulata</i> C: sandhills (Gates*)	Coast Jointweed	SR-P	-	SX	G5
<i>Polygonum glaucum</i> T: ocean and sound beaches (Beaufort*, Brunswick, Carteret, Dare*, Hyde*, New Hanover*)	Seabeach Knotweed	SR-T	-	S1	G3
<i>Ponthieva racemosa</i> C: blackwater forests and swamps, especially over marl (Beaufort*, Brunswick, Carteret, Craven, Jones, Onslow, Pender)	Shadow-witch	SR-P	-	S2	G4G5
<i>Portulaca smallii</i> P: granite flatrocks and diabase glades (Cabarrus, Forsyth*, Franklin, Granville, Rowan, Wake)	Small's Portulaca	T	-	S2	G3
<i>Potamogeton amplifolius</i> C: submersed in blackwater streams (Brunswick, Craven*)	Largeleaf Pondweed	SR-D	-	S1	G5
<i>Potamogeton confervoides</i> SC: beaverponds and old millponds on blackwater creeks (Cumberland, Gates+, Harnett, Hoke, Moore, Richmond, Scotland)	Conferva Pondweed	SR-D	-	S2	G4
<i>Potamogeton illinoensis</i> C: alkaline waters of streams, rivers, lakes, and ponds (Brunswick*, Dare*)	Illinois Pondweed	SR-D	-	S1	G5
<i>Potamogeton natans</i> M: lakes and artificial impoundments (Buncombe*)	Floating Pondweed	SR-D	-	SH	G5
<i>Potamogeton nodosus</i>	American Pondweed	SR-D	-	SH	G5

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CMP: ponds and streams with moderate to high PH (Carteret*, Haywood*, Perquimans*, Vance*) <i>Potamogeton tennesseensis</i> M: lakes or ponds	Tennessee Pondweed	SR-T	-	S1	G2
<i>Prenanthes alba</i> M: hardwood forests (Haywood*, Henderson*, McDowell*, Mitchell*, Rutherford+, Transylvania*)	White Rattlesnakeroot	SR-P	-	S2?	G5
<i>Prunus pumila var. susquehanae</i> P: rocky forests (Durham*)	Susquehanna Cherry	SR-P	-	SH	G5T4
<i>Pseudognaphalium helleri</i> PS: dry woodlands, openings, and glades, especially over mafic rocks (Anson*, Cabarrus, Davidson, Forsyth*, Franklin*, Granville, Guilford*, Halifax*, Hoke, Mecklenburg, Montgomery, Northampton*, Orange*, Person*, Rowan*, Scotland*, Union, Wake)	Heller's Rabbit-Tobacco	SR-P	-	S3	G3G4
<i>Pseudognaphalium micradenium</i> P: dry woodlands (Caswell, Granville*, Person, Stokes*, Vance)	Small Rabbit-Tobacco	SR-T	-	S1	G3?
<i>Pteroglossaspis ecristata</i> C: pinelands (Bladen*, Cumberland*, Hoke, New Hanover*, Robeson*)	Spiked Medusa	E	FSC	S1	G2G3
<i>Ptilimnium ahlesii</i> C: tidal freshwater marshes (Brunswick, New Hanover)	Carolina Bishop-weed	SR-L	FSC	S1	G1
<i>Ptilimnium costatum</i> CT: tidal swamps or marshes (Brunswick*, New Hanover)	Ribbed Bishop-weed	SR-P	-	S1	G4
<i>Ptilimnium nodosum</i> P: rocky riverbeds (Chatham, Granville, Lee*)	Harperella	E	E	S1	G2
<i>Pycnanthemum curvipes</i> M: dry rocky woodlands and rock outcrops (Buncombe)	Tennessee Mountain-mint	SR-T	-	S1	G3
<i>Pycnanthemum setosum</i> CMP: dry pinelands	Awned Mountain-mint	SR-T	-	S2	G4
<i>Pycnanthemum torrei</i> PM: dry upland forests and woodlands, over mafic rocks (Alexander*, Ashe*, Cleveland*, Gaston*, Granville*, Haywood*, Jackson*, Macon*, Orange, Person*, Wilkes*)	Torrey's Mountain-mint	SR-T	FSC	S1	G2
<i>Pycnanthemum virginianum</i> CMP: forests, woodland borders, bogs (Alleghany, Brunswick, Henderson, Wake)	Virginia Mountain-mint	SR-P	-	S1?	G5
<i>Pyrola elliptica</i> M: moist forests (Ashe+)	Elliptic Shinleaf	SR-P	-	S1	G5
<i>Pyxidanthera brevifolia</i> (= <i>Pyxidanthera barbulata</i> var. <i>brevifolia</i>) S: sandhills (Brunswick*, Cumberland, Harnett, Hoke, Lee*, Moore)	Sandhills Pyxie-moss	E	FSC	S3	G4T3
<i>Quercus austrina</i> CP: bluff and bottomland forests over circumneutral soil (Anson, Craven, Johnston*, Jones, Montgomery, Richmond, Sampson)	Bluff Oak	SR-P	-	S1	G4?
<i>Quercus ellottii</i>	Running Oak	SR-P	-	S2	G3G5

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CP: mesic pine flatwoods and dry, silty sites <i>Quercus ilicifolia</i>	Bear Oak	T	-	S2	G5
P: dry summits and rocky woods on Piedmont monadnocks (Burke, Gaston, Stokes, Surry) <i>Quercus minima</i>	Dwarf Live Oak	SR-P	-	S1	G5
C: pine flatwoods, coastal fringe sandhills <i>Quercus prinoides</i>	Dwarf Chinquapin Oak	SR-P	-	S1	G5
PM: dry, rocky slopes (Caldwell, Cleveland*, Gaston*, Guilford*, Iredell*, Jackson*, Polk*, Rutherford, Stanly*) <i>Ranunculus ambigens</i>	Water-plantain Spearwort	SR-P	-	SH	G4
CP: open wet areas (Bertie*, Orange*, Perquimans*) <i>Ranunculus fascicularis</i>	Thick-root Buttercup	SR-P	-	S1	G5
MP: serpentine and diabase barrens <i>Ranunculus flabellaris</i>	Yellow Water-crowfoot	SR-P	-	S1	G5
C: pools in blackwater swamps (Edgecombe*, Gates*) <i>Ranunculus hederaceus</i>	Ivy Buttercup	SR-D	-	SH	G5
C: marshes (Currituck*) <i>Ranunculus micranthus</i>	Rock Buttercup	SR-P	-	SH	G5
P: rich woods on circumneutral soil <i>Rhexia aristosa</i>	Awned Meadow-beauty	T	FSC	S3	G3
C: clay-based Carolina bays and limesink ponds (Bladen, Brunswick*, Cumberland*, Hoke, Onslow, Robeson, Sampson, Scotland) <i>Rhodiola rosea</i>	Roseroot	E	-	S1	G5
(=Sedum rosea) M: high elevation rocky summits (Ashe*, Avery*, Mitchell*, Yancey) <i>Rhododendron cumberlandense</i>	Cumberland Azalea	SR-P	-	S1	G4?
M: grassy or shrub balds (Graham*, Jackson, Macon, Swain, Transylvania) <i>Rhododendron prinophyllum</i>	Election Pink	SR-P	-	S1	G5
M: high elevation forests (Ashe) <i>Rhododendron vaseyi</i>	Pink-shell Azalea	SR-L	-	S3	G3
M: wet swampy places, high elevation rocky areas, openings, or forests (Avery, Buncombe, Caldwell, Haywood, Jackson, Macon, McDowell, Mitchell+, Transylvania, Watauga, Yancey) <i>Rhus michauxii</i>	Michaux's Sumac	E-SC	E	S2	G2G3
SCP: sandhills, sandy forests, woodland, woodland edges (Cumberland, Davie, Durham, Franklin, Hoke, Johnston*, Lincoln*, Mecklenburg*, Moore, Orange*, Richmond, Robeson*, Scotland, Union*, Wake, Wilson*) <i>Rhynchospora alba</i>	Northern White Beaksedge	SR-P	-	S2	G5
MCS: fens, bogs, pocosin openings, limesink ponds (Alleghany, Ashe, Bladen, Brunswick, Craven, Cumberland*, Dare, Mitchell, Pender*, Rutherford, Tyrrell*, Watauga) <i>Rhynchospora breviseta</i>	Short-bristled Beaksedge	SR-P	-	S2S3	G3G4

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C: savannas (Brunswick, Carteret, Columbus, Craven, Onslow, Pender) <i>Rhynchospora crinipes</i> S: seepy banks of blackwater rivers (Hoke, Moore)	Alabama Beaksedge	E	FSC	S1	G2
C: swamp forests (Brunswick, Columbus, Onslow) <i>Rhynchospora decurrens</i>	Swamp Forest Beaksedge	SR-P	FSC	S1S2	G3G4
C: wet savannas (Brunswick, Columbus, Onslow, Pender) <i>Rhynchospora divergens</i>	White-seeded Beaksedge	SR-P	-	S2	G4
C: limesink ponds and cypress savannas (Brunswick, Carteret, Onslow) <i>Rhynchospora harperi</i>	Harper's Beaksedge	SR-P	-	S2	G4?
CS: seepage bogs (Carteret, Cumberland, Harnett, Hoke, Moore, Richmond, Scotland) <i>Rhynchospora macra</i>	Southern White Beaksedge	E	-	S2	G3
CTP: maritime wet grasslands, clay-based Carolina bays, limesink ponds, swamp forests <i>Rhynchospora microcarpa</i>	Southern Beaksedge	SR-P	-	S2	G5
T: maritime wet grasslands (Brunswick*, Carteret, Hyde, Pender*) <i>Rhynchospora odorata</i>	Fragrant Beaksedge	E	-	S1	G4
C: wet savannas, maritime wet grasslands (Brunswick, Carteret, Columbus, Onslow, Pender) <i>Rhynchospora pinetorum</i>	Small's Beaksedge	SR-T	-	S2	G5?T3?
C: limesink ponds (Brunswick, Carteret, New Hanover, Onslow) <i>Rhynchospora pleiantha</i>	Coastal Beaksedge	T	FSC	S2	G3
C: wet savannas (Brunswick, Onslow, Pender) <i>Rhynchospora thornei</i>	Thorne's Beaksedge	E	FSC	S2	G3
C: clay-based Carolina bays, limesink ponds (Brunswick, New Hanover, Onslow, Scotland) <i>Rhynchospora tracyi</i>	Tracy's Beaksedge	SR-P	-	S2	G4
M: high elevation granitic domes (Jackson, Macon, Mitchell*) <i>Robinia hartwegii</i>	Hartweg's Locust	SR-L	-	S2	G2
M: acidic cove forests, northern hardwoods forests, high elevation granitic domes (Alleghany, Avery, Burke*, Graham*, Jackson, McDowell*) <i>Robinia hispida var. fertilis</i>	Fruitful Locust	SR-O	-	S1	G4T1Q
M: high elevation red oak forests, dry rocky woods (Buncombe*, Burke*, Haywood*, Henderson, Madison*, Transylvania*) <i>Robinia hispida var. kelseyi</i>	Kelsey's Locust	SR-O	-	S1	G4T1
M: high elevation spruce-fir forests and openings (Buncombe, Haywood, Jackson, Swain*, Yancey) <i>Rubus idaeus ssp. strigosus</i>	Red Raspberry	SR-P	-	S2?	G5T5
C: moist pine flatwoods and woodland borders (Harnett*, Moore*) <i>Rudbeckia heliopsisidis</i>	Sun-facing Coneflower	E	FSC	SH	G2
Pinnate-lobed Black-eyed Susan <i>Rudbeckia triloba var. pinnatiloba</i>	Pinnate-lobed Black-eyed Susan	SR-T	-	S1	G5T3

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M: mafic cliffs (Buncombe) <i>Ruellia ciliosa</i> S: sandhills, especially in loamy, submesic swales (Cumberland, Hoke, Richmond, Scotland)	Sandhills Wild-petunia	SR-P	-	S2	G3
P: diabase glades (Durham, Granville, Wake*) <i>Ruellia humilis</i>	Low Wild-petunia	T	-	S1	G5
PM: glades and woodlands, mostly over mafic or calcareous rocks (Alamance, Davidson, Durham*, Forsyth*, Granville, Madison, Montgomery, Orange, Randolph*, Rutherford*, Stanly, Wake*) <i>Ruellia purshiana</i>	Pursh's Wild-petunia	SR-O	-	S2	G3
CS: low woods over marl (Pender, Richmond) <i>Ruellia strepens</i>	Limestone Wild-petunia	SR-P	-	S1	G4G5
(= <i>Cacalia rugelia</i>) M: spruce-fir forests (Haywood, Swain) <i>Rugelia nudicaulis</i>	Rugel's Ragwort	T	FSC	S3	G3
TC: maritime forests on the southeastern coast (Brunswick, Carteret*) <i>Sabal palmetto</i>	Cabbage Palm	SR-P	-	S1	G5
C: drawdown zones on banks of blackwater rivers (Brunswick, Columbus) <i>Sabatia kennedyana</i>	Plymouth Gentian	T-SC	-	S2	G3
C: shell middens (Carteret, Onslow, Pender) <i>Sageretia minutiflora</i>	Small-flowered Buckthorn	SR-P	-	S1	G4
C: limesink ponds (Bladen, Carteret, Columbus, Onslow) <i>Sagittaria chapmanii</i>	Chapman's Arrowhead	SR-P	-	S1	G5T3?
M: bogs and mountain swamp forests (Buncombe*, Henderson) <i>Sagittaria fasciculata</i>	Bunched Arrowhead	E	E	S2	G2
CS: limesink ponds, clay-based Carolina bays, beaver ponds, natural lakes (Bladen, Brunswick*, Columbus, Cumberland, Hoke, New Hanover, Sampson, Scotland) <i>Sagittaria isoetiformis</i>	Quillwort Arrowhead	SR-P	-	S2	G4?
S: shoreline of blackwater stream impoundment (Hoke, Moore) <i>Sagittaria macrocarpa</i>	Streamhead Sagittaria	SR-L	-	S2	G2
C: blackwater streams, rivers, and lakes (Bladen*, Columbus*, Craven*, Pender*, Wilson*) <i>Sagittaria stagnorum</i>	Water Arrowhead	SR-P	-	SH	G4G5
C: fresh to slightly brackish marshes, streams, swamps, and pond margins (Beaufort*, Bladen*, Brunswick*, Columbus, Craven, Currituck*, Duplin, Gates*, Hyde*, New Hanover, Onslow, Pasquotank*, Pender, Pitt*, Sampson*, Wake*) <i>Sagittaria weatherbyana</i>	Grassleaf Arrowhead	SR-T	FSC	S2	G5T2
SC: sandhills (Anson, Hoke, Montgomery, New Hanover*, Richmond, Scotland) <i>Salvia azurea</i>	Azure Sage	SR-P	-	S2	G4G5
<i>Sarracenia jonesii</i>	Mountain Sweet Pitcher Plant	E-SC	E	S1	G4T2

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M: bogs (Buncombe*, Henderson, Transylvania)					
<i>Sarracenia minor</i> C: savannas (Brunswick, Columbus)	Hooded Pitcher Plant	T	-	S2	G4
<i>Sarracenia oreophila</i> M: seepage bogs (Clay)	Green Pitcher Plant	E-SC	E	S1	G2
<i>Sceptridium jenmanii</i> MP: moist woods (Buncombe*, Burke, Cherokee*, Clay*, Iredell*, Jackson*, McDowell, Mecklenburg*, Rockingham*, Rutherford, Stokes*, Transylvania*)	Alabama Grape-fern	SR-P	-	S2	G3G4
<i>Sceptridium lunarioides</i> P: dry pine woods (Davie*)	Winter Grape-fern	SR-P	-	SH	G4?
<i>Sceptridium multifidum</i> M: grassy balds (Alleghany, Avery, Mitchell)	Leathery Grape-fern	SR-P	-	S1	G5
<i>Sceptridium oneidense</i> MP: cove forests, bogs (Avery*, Buncombe*, Burke, Forsyth+, Haywood*, Jackson, McDowell, Mitchell*, Yancey*)	Blunt-lobed Grape-fern	SR-P	-	S2	G4Q
<i>Schisandra glabra</i> CP: rich slopes and floodplain islands (Gaston, Martin)	Magnolia Vine	T-SC	-	S1	G3
<i>Schoenoplectus acutus</i> C: natural lakes (Carteret*, Craven*, Dare*, Hyde*)	Hardstem Bulrush	SR-P	-	SH	G5
<i>Schoenoplectus etuberculatus</i> CS: blackwater creeks (Bladen, Brunswick, Columbus, Craven*, Cumberland, Harnett, Hoke, Hyde*, Johnston*, Moore, Onslow, Pender*, Randolph*, Richmond, Scotland, Wayne*)	Canby's Bulrush	SR-P	-	S3	G3G4
<i>Schoenoplectus subterminalis</i> S: blackwater creeks (Cumberland, Harnett, Hoke, Moore, Richmond, Scotland)	Swaying Bulrush	SR-P	-	S3	G4G5
<i>Schwalbea americana</i> SC: savannas and moist to dryish pinelands with frequent fire (Bladen*, Cumberland, Hoke, Moore, Pender*, Scotland)	Chaffseed	E	E	S2	G2
<i>Scirpus flaccidifolius</i> C: swamp forests (Northampton)	Reclining Bulrush	E	FSC	S1	G2
<i>Scirpus lineatus</i> C: low rich woods over marl (Brunswick, Craven, Jones, New Hanover, Onslow, Pender)	Drooping Bulrush	SR-P	-	S2	G4
<i>Scirpus pendulus</i> PC: wet places over mafic rocks (Carteret, Durham*, Granville, Onslow)	Rufous Bulrush	SR-O	-	S1	G5
<i>Scleria baldwinii</i> C: wet savannas (Brunswick, Carteret, Columbus, Pender)	Baldwin's Nutrush	SR-P	-	S2	G4
<i>Scleria reticularis</i> CS: clay-based Carolina bays, limesink ponds (Brunswick, Cumberland, Hoke, New Hanover, Onslow, Sampson, Scotland)	Netted Nutrush	SR-O	-	S2	G4
<i>Scleria sp. I</i>	Smooth-seeded Hairy Nutrush	SR-L	FSC	S1	G1

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CP: pine savannas over limestone, diabase glades (Granville*, Onslow, Pender) <i>Scleria verticillata</i>	Savanna Nutrush	SR-P	-	S2	G5
TC: savannas over coquina limestone, intermediate swales (Brunswick*, Carteret, Columbus, Dare*, Hyde, Onslow, Pender)					
C: clay-based Carolina bays, blackwater river foodplains, limesink ponds <i>Sclerolepis uniflora</i>	One-flower Hardscale	SR-T	-	S2	G4
PS: alluvial forests (Granville, Johnston*, Lee*, Orange*, Richmond*, Wake*) <i>Scutellaria australis</i>	Southern Skullcap	SR-P	-	S1	G4?Q
M: spring-fed seepage (Buncombe*) <i>Scutellaria galericulata</i>	Hooded Skullcap	SR-P	-	SH	G5
P: diabase glades (Durham, Granville, Moore, Orange) <i>Scutellaria leonardii</i>	Shale-barren Skullcap	SR-P	-	S2	G4Q
MP: alluvial forests (Chatham*, Durham*, Granville, Halifax, Jackson*, Northampton, Wake*, Warren*) <i>Scutellaria nervosa</i>	Veined Skullcap	SR-P	-	S1	G5
M: rocky forests, boulderfields (Buncombe) <i>Scutellaria ovata ssp. rugosa var. I</i>	Appalachian Skullcap	SR-T	-	SH	G2?Q
M: northern hardwoods forests, rocky woodlands (Ashe, Mitchell, Watauga*, Yancey) <i>Scutellaria saxatilis</i>	Rock Skullcap	SR-T	-	S1	G3
PM: rock outcrops, mainly calcareous or mafic (Jackson, Macon, Rockingham, Stokes) <i>Sedum glaucophyllum</i>	Cliff Stonecrop	SR-P	-	S2	G4
P: granite flatrocks (Anson) <i>Sedum pusillum</i>	Puck's Orpine	E	-	S1	G3
T: seabeaches, marshes (Brunswick) <i>Sesuvium maritimum</i>	Slender Sea-purslane	SR-O	-	S1?	G5
T: seabeaches (Carteret, New Hanover) <i>Sesuvium portulacastrum</i>	Shoreline Sea-purslane	SR-P	-	S1	G5
C: disturbed habitats (Brunswick*) <i>Seymeria pectinata</i>	Sticky Afzelia	SR-P	-	SH	G4G5
M: streambanks, slopes, and outcrops in humid gorges (McDowell) <i>Shortia galacifolia var. brevistyla</i>	Northern Oconee Bells	E-SC	FSC	S2	G2T2
M: streambanks, slopes, and outcrops in humid gorges (Jackson*, Swain*, Transylvania) <i>Shortia galacifolia var. galacifolia</i>	Southern Oconee Bells	E-SC	FSC	S2	G2G3T2T3
P: stream banks, sandy woodlands (Iredell) <i>Sida ellottii</i>	Elliott's Fan-petal	SR-P	-	S1	G4G5
T: maritime forests and scrub (Brunswick, New Hanover*) <i>Sideroxylon tenax</i>	Tough Bumelia	SR-P	FSC	S1	G3?
M: rich slopes, cove forests, montane oak-hickory forests (Buncombe, Cherokee, Graham, Haywood, Henderson, Jackson, Macon, <i>Silene ovata</i>	Mountain Catchfly	SR-T	FSC	S3	G3

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Madison, Rutherford*, Swain, Yancey)					
<i>Silphium connatum</i> MP: floodplains, rich alluvial woods (Alleghany*, Iredell, Rockingham, Stokes)	Virginia Cup-plant	SR-T	-	S2	G3?Q
<i>Silphium perfoliatum</i> PM: floodplains (Alleghany, Ashe, Cabarrus, Forsyth, Iredell*, Mecklenburg, Stokes*, Surry)	Northern Cup-plant	SR-P	-	S1	G5
<i>Silphium terebinthinaceum</i> P: diabase glades, other open or semi- open sites over mafic rock (Cabarrus, Davie, Durham, Granville, Mecklenburg, Stanly, Wake*)	Prairie Dock	SR-P	-	S2	G4G5
<i>Sisyrinchium dichotomum</i> M: thin woods, especially over amphibolite, in the escarpment region (Burke, Henderson, Polk, Rutherford)	White Irisette	E	E	S2	G2
<i>Smilax hugeri</i> MPS: deciduous forests (Anson, Cumberland, Macon, Richmond, Swain)	Huger's Carrion-flower	SR-P	-	S2	G4
<i>Smilax lasioneura</i> MP: oak-hickory forests over mafic rocks (Guilford*, Henderson, Polk*)	Blue Ridge Carrion-flower	SR-P	-	S1	G5
<i>Solanum pseudogracile</i> T: dunes (Brunswick, Carteret, New Hanover*, Onslow, Pamlico)	Graceful Nightshade	SR-T	-	S1	GNR
<i>Solidago leavenworthii</i> C: savannas, pocosin borders, clay- based Carolina bays, peaty seeps (Carteret*, Columbus, Robeson, Sampson, Scotland*)	Leavenworth's Goldenrod	SR-P	-	S1	G3G4
<i>Solidago plumosa</i> P: riverside rocks (Montgomery, Stanly)	Yadkin River Goldenrod	E	C	S1	G1
<i>Solidago ptarmicoides</i> P: diabase glades (Granville, Rowan*)	Prairie Goldenrod	E	-	S1	G5
<i>Solidago radula</i> P: dry woodlands over mafic rocks (Montgomery, Stanly, Wake*)	Western Rough Goldenrod	SR-P	-	S1	G5?
<i>Solidago rigida var. glabrata</i> P: diabase glades, other open sites over mafic rock (Cabarrus, Durham, Granville, Mecklenburg*, Person, Rockingham)	Southeastern Bold Goldenrod	SR-P	-	S2	G5T4
<i>Solidago rigida var. rigida</i> M: forest openings, presumably on mafic or calcareous rocks (Haywood*, Macon, Madison*, McDowell)	Prairie Bold Goldenrod	SR-P	-	S1	G5T5
<i>Solidago simulans</i> M: high and low elevation granitic domes south of the Asheville Basin (Jackson, Macon, Rutherford, Transylvania)	Granite Dome Goldenrod	SR-L	FSC	S2	G2
<i>Solidago spithamea</i> M: high elevation rocky summits (Ashe, Avery, Mitchell)	Blue Ridge Goldenrod	E	T	S1	G1
<i>Solidago squarrosa</i> M: moist forests at high elevations (Buncombe*)	Square Rose Goldenrod	SR-P	-	SH	G4?

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<i>Solidago tortifolia</i> CS: dry savannas and mesic flats (Bladen, Brunswick*, Hoke, Jones*, New Hanover*, Robeson*, Scotland*)	Twisted-leaf Goldenrod	SR-P	-	S1	G4G5
<i>Solidago uliginosa</i> M: bogs, seeps (Ashe, Clay, Haywood, Macon, Madison*, Transylvania, Watauga, Yancey*)	Bog Goldenrod	SR-P	-	S1S2	G4G5
<i>Solidago ulmifolia</i> PM: wooded stream banks (Burke, Durham*, Jackson, McDowell, Rutherford)	Elm-leaf Goldenrod	SR-D	-	S1?	G5
<i>Solidago verna</i> CS: mesic to moist pinelands, pocosin ecotones (Bladen*, Brunswick, Carteret, Columbus, Craven, Cumberland, Duplin, Harnett, Hoke, Johnston, Jones, Moore, New Hanover, Onslow, Pamlico, Pender, Richmond, Sampson, Scotland)	Spring-flowering Goldenrod	T	FSC	S3	G3
<i>Solidago villosarpa</i> C: edge of coastal fringe evergreen forest (Brunswick, Craven, New Hanover*, Onslow, Pender)	Coastal Goldenrod	E	FSC	S1	G1
<i>Sparganium emersum</i> M: pondshores (Avery*, Macon, Watauga)	Greenfruit Bur-reed	SR-P	-	S1	G5
<i>Spartina pectinata</i> MCS: freshwater marshes, spray zones of waterfalls, other moist sites (Alleghany, Ashe*, Chowan*, Mitchell*, Montgomery*, Pasquotank, Transylvania)	Freshwater Cordgrass	SR-P	-	S1	G5
<i>Spigelia marilandica</i> M: open woods (Cherokee)	Pink-root	E	-	S1	G4
<i>Spiraea corymbosa</i> P: open woods, thin soil over rock (Alexander, Alleghany, Catawba, Stokes)	Shinyleaf Meadowsweet	SR-O	-	S1	G5T4?
<i>Spiraea virginiana</i> M: riverbanks (Ashe, Buncombe*, Graham, Macon, Mitchell, Swain, Yancey)	Virginia Spiraea	E	T	S2	G2
<i>Spiranthes eatonii</i> CS: pine savannas and pine-oak sandhills (Beaufort*, Bladen*, Brunswick*, Carteret, Craven*, Cumberland*, Moore*, Onslow, Pamlico*, Pender)	Eaton's Ladies'-tresses	SR-L	-	S2	G2G4
<i>Spiranthes floridana</i> C: moist sites (Brunswick+, Pender*)	Florida Ladies'-tresses	SR-P	-	S1	G3G4T1
<i>Spiranthes lacera var. lacera</i> M: mountain balds (Clay*)	Northern Slender Ladies'-tresses	SR-D	-	SH	G5T5
<i>Spiranthes laciiniata</i> C: moist wet habitats (Beaufort*, Bladen, Brunswick, Carteret, Columbus, New Hanover, Onslow)	Lace-lip Ladies'-tresses	SR-P	-	S2	G4G5
<i>Spiranthes longilabris</i> C: savannas (Bladen*, Brunswick, Carteret, Onslow, Pender)	Giant Spiral Orchid	T	-	S1	G3
<i>Spiranthes lucida</i>	Shining Ladies'-tresses	SR-O	-	S1	G5

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M: seepage over amphibolite (Alleghany)					
<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses	SR-P	-	S1	G4
M: grassy balds, meadows, wooded slopes (Ashe, Avery, Buncombe*, Haywood*, Watauga*, Yancey*)					
<i>Sporobolus heterolepis</i>	Prairie Dropseed	E	-	S1	G5
M: olivine barrens (Clay, Jackson)					
<i>Sporobolus teretifolius</i>	Wireleaf Dropseed	T	FSC	S2	G2
C: wet savannas (Brunswick, Columbus)					
<i>Sporobolus virginicus</i>	Saltmarsh Dropseed	SR-P	-	S1	G5
T: brackish marshes (Brunswick)					
<i>Stachys clingmanii</i>	Clingman's Hedge-nettle	SR-T	-	S1	G2Q
M: spruce-fir forests, northern hardwoods forests (Graham, Haywood*, Jackson*, Macon, Swain*, Transylvania*)					
<i>Stachys cordata</i>	Heartleaf Hedge-nettle	SR-P	-	S1	G5?
M: bogs (Madison)					
<i>Stachys eplingii</i>	Epling's Hedge-nettle	SR-T	-	SH	G3?
M: bogs (Burke*, Henderson*, Jackson*)					
<i>Stachys sp. 1</i>	A Hedge-nettle	SR-T	-	S1	GNR
P: sandy edges of forested floodplains (Montgomery)					
<i>Stachys tenuifolia</i>	Smooth Hedge-nettle	SR-D	-	S1	G5
C: swamp forests, edges of bottomlands					
<i>Stenanthium gramineum var. robustum</i>	Bog Featherbells	SR-P	-	S1	G3G5Q
M: bogs and wet meadows (Alleghany, Ashe, Avery)					
<i>Stenanthium leimanthoides</i>	Pinebarren Death-camas	SR-O	-	S1	G4Q
M: high elevation rocky summits, thin soil at high elevations (Ashe*, Avery, Burke, Yancey)					
<i>Stewartia ovata</i>	Mountain Camellia	SR-P	-	S2	G4
MP: bluffs and forests, usually with rhododendrons (Burke, Catawba, Cherokee, Granville, Macon, Montgomery, Rutherford, Stokes)					
<i>Streptopus amplexifolius</i>	White Mandarin	SR-P	-	S1	G5
M: spruce-fir forests, northern hardwoods forests (Buncombe, Haywood, Jackson, Macon*, Mitchell, Swain*, Yancey)					
<i>Stylosma aquatica</i>	Water Dawnflower	SR-P	-	S2	G4
CS: clay-based Carolina bays, pineland pools (Brunswick, Moore, Robeson, Scotland)					
<i>Stylosma pickeringii</i> var. <i>pickeringii</i>	Pickering's Dawnflower	E	FSC	S3	G4T3
SC: sandhills (Bladen, Brunswick*, Carteret, Cumberland, Harnett, Hoke, Moore, New Hanover, Pender*, Richmond, Sampson, Scotland)					
<i>Symphyotrichum depauperatum</i>	Serpentine Aster	SR-D	-	S1	G2
P: diabase glades (Granville)					
<i>Symphyotrichum georgianum</i>	Georgia Aster	T	C	S2	G2G3
(=Aster <i>georgianus</i>) P: open woods and roadsides (Davidson, Gaston, Lincoln, Mecklenburg, Montgomery, Randolph, Rowan, Stanly*, Union)					
<i>Symphyotrichum laeve</i> var. <i>concinnum</i>	Narrow-leaf Aster	SR-P	-	S2	G5T4

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Rank Global
P: forests, woodland borders especially over mafic rocks (Alamance*, Alexander*, Davie*, Durham, Granville, Iredell*, Orange*, Rutherford, Stanly, Union, Wake*)					
<i>Sympyotrichum laeve</i> var. <i>laeve</i> P: forests, woodland borders especially over mafic rocks (Gaston*, Henderson*, Orange*, Polk*, Rutherford*)	Smooth Blue Aster	SR-P	-	SH	G5T5
<i>Sympyotrichum oblongifolium</i> M: thin soils around limestone outcrops (Madison)	Aromatic Aster	SR-P	-	S1	G5
<i>Sympyotrichum parviceps</i> P: diabase glades	Glade Aster	E	-	SNA	G4?
<i>Sympyotrichum rhiannon</i> M: serpentine pine barrens (Clay)	Buck Creek Aster	SR-L	FSC	S1	G1
<i>Sympyotrichum shortii</i> M: bluffs and rocky banks (Burke*, Transylvania*)	Short's Aster	SR-P	-	SH	G5
<i>Synandra hispidula</i> M: rich cove forests (Swain*)	Synandra	SR-T	-	SH	G4
<i>Taxus canadensis</i> M: bogs, swamp forests under spruce (Ashe, Watauga)	Canada Yew	SR-P	-	S1	G5
<i>Thalictrum cooleyi</i> C: wet savannas (Brunswick, Columbus, Onslow, Pender)	Cooley's Meadowrue	E	E	S2	G2
<i>Thalictrum macrostylum</i> CSPM: bogs and wet woods (Alleghany, Clay, Cumberland, Henderson, Hyde*, Jones, McDowell, Moore, Nash, New Hanover, Pender, Richmond, Transylvania)	Small-leaved Meadowrue	SR-L	FSC	S2	G3G4
<i>Thaspium pinnatifidum</i> M: calcareous slopes (Jackson*, Madison, Swain*)	Mountain Thaspium	SR-T	FSC	S1	G2G3
<i>Thelypteris simulata</i> M: bogs (Alleghany, Avery)	Bog Fern	T	-	S1	G4G5
<i>Thermopsis fraxinifolia</i> MP: dry ridges (Buncombe, Burke, Henderson, Jackson*, Macon, McDowell, Polk, Surry*, Transylvania, Yancey)	Ash-leaved Golden-banner	SR-T	-	S2?	G3?
<i>Thermopsis mollis</i> CPM: dry ridges and open woodlands (Buncombe, Burke, Caldwell, Catawba, Chatham*, Columbus*, Durham*, Forsyth*, Franklin*, Gaston, Granville, Guilford*, Henderson, Iredell*, Lincoln, McDowell, Mecklenburg*, Orange+, Polk, Rutherford, Stokes*, Surry, Transylvania*, Vance*, Wake, Warren)	Appalachian Golden-banner	SR-P	-	S2	G3G4
<i>Torreyochloa pallida</i> CM: blackwater pools, old millponds, and small stream swamps (Avery*, Columbus*, Currituck, Duplin*, Gates, Harnett)	Pale Mannagrass	SR-P	-	S1	G5
<i>Tradescantia virginiana</i>	Virginia Spiderwort	SR-P	-	S1	G5

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MP: rich woods on circumneutral soils (Ashe, Burke, Harnett, Montgomery*, Moore, Rockingham, Stanly, Surry, Wake)					
<i>Triadenum fraseri</i>	Marsh St. John's-wort	SR-P	-	S1	G5
M: bogs and peaty wetlands					
<i>Triantha glutinosa</i>	Sticky Bog Asphodel	SR-P	-	S1	G5T3T5
MP: bogs, seepages (Ashe, Caldwell*, Haywood, Henderson+, Jackson, Transylvania)					
<i>Trichomanes boschianum</i>	Appalachian Filmy-fern	T	-	S1	G4
M: spray zone of waterfalls, seeps over rock (Jackson, Macon, Polk*)					
<i>Trichomanes petersii</i>	Dwarf Filmy-fern	T	-	S2	G4G5
M: moist rocks in humid gorges (Graham, Jackson, Macon, Transylvania)					
<i>Trichophorum cespitosum</i>	Deerhair Bulrush	SR-D	-	S2S3	G5
M: high elevation rocky summits, moist cliffs (Ashe, Avery, Buncombe, Burke, Caldwell+, Haywood, Henderson, Jackson, Mitchell, Rutherford, Transylvania, Yancey)					
<i>Trichostema brachiatum</i>	Glade Bluecurls	SR-P	-	S1	G5
PM: diabase glades, other dry calcareous or mafic outcrops (Buncombe, Granville, Madison, Orange*, Rockingham, Yancey*)					
<i>Trichostema setaceum</i>	Narrowleaf Bluecurls	SR-T	-	S2	G5
SPC: dry woodlands, granite flatrocks (Bladen, Burke, Cleveland, McDowell, Moore, Robeson, Rutherford)					
<i>Trichostema sp. 1</i>	Dune Bluecurls	SR-L	FSC	S2	G2
T: dunes, openings in maritime forest and scrub (Brunswick, Carteret, Dare, Hyde, New Hanover)					
<i>Tridens ambiguus</i>	Pineland Triodia	E	-	S1	G4
C: clay-based Carolina bays (Scotland)					
<i>Tridens chapmanii</i>	Chapman's Redtop	SR-P	-	S1S2	G3
CP: dry pine and oak woods, sandy roadsides (Bladen, Carteret*, Craven, Dare*, Durham*, Hoke+, Jones, Martin*, Montgomery, Moore, Orange*, Pender, Richmond, Scotland*)					
<i>Tridens strictus</i>	Spike Triodia	SR-P	-	SH	G5
C: pine flatwoods (Duplin*, Hoke*, Pender*, Robeson*)					
<i>Trientalis borealis</i>	Starflower	SR-P	-	S1	G5
M: coves, northern hardwood forest (Cherokee, Graham, Haywood)					
<i>Trifolium carolinianum</i>	Carolina Clover	SR-O	-	SH	G5
C: savannas, sandy open areas (Duplin*, New Hanover*, Onslow*)					
<i>Trifolium reflexum</i>	Buffalo Clover	SR-T	-	S1S2	G3G4
PMSC: open woods and clearings (Buncombe*, Chatham*, Durham*, Granville, Halifax*, Harnett, Iredell*, Montgomery, Moore, Randolph*, Wake, Yadkin)					
<i>Trillium discolor</i>	Mottled Trillium	T	-	S1	G4

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M: rich coves in the Savannah River drainage (Jackson, Transylvania)					
<i>Trillium flexipes</i>	Bent White Trillium	SR-P	-	SH	G5
M: rich coves (Henderson*, Swain*)					
<i>Trillium pusillum var. ozarkanum</i>	Alabama Least Trillium	E	FSC	S1	G3T3
(=Trillium pusillum var. 1) M: rich cove forests (Clay, Haywood*)					
<i>Trillium pusillum var. pusillum</i>	Carolina Least Trillium	E	FSC	S2	G3T2
C: ecotones between savannas and nonriverine wet hardwood forests, over marl (Onslow*, Pender)					
<i>Trillium pusillum var. virginianum</i>	Virginia Least Trillium	E	FSC	S1	G3T2
C: mesic to swampy hardwood forests (Camden, Currituck, Gates, Halifax, Johnston*, Nash, Wake)					
<i>Trillium recurvatum</i>	Prairie Trillium	SR-P	-	S1	G5
M: rich coves					
<i>Trillium sessile</i>	Sessile-flowered Trillium	SR-P	-	S1	G4G5
C: rich alluvial levees and slopes (Halifax, Northampton)					
<i>Trillium simile</i>	Sweet White Trillium	SR-L	-	S2	G3
MP: rich coves (Burke, Cherokee, Haywood, Henderson, Macon, Madison, McDowell, Polk, Rutherford, Swain*, Yancey)					
<i>Trisetum spicatum</i>	Soft Trisetum	E	-	SX	G5
M: grassy balds and/or high elevation rocky summits (Mitchell*)					
<i>Turritis glabra</i>	Tower Mustard	SR-P	-	S1	G5
M: mountain forests and meadows (Avery, Madison*, Watauga*)					
<i>Urtica chamaedryoides</i>	Dwarf Stinging Nettle	SR-P	-	S1	G4G5
C: rich alluvial levees (Bertie, Halifax, Northampton)					
<i>Utricularia cornuta</i>	Horned Bladderwort	SR-P	-	S1S2	G5
CM: bogs, limesink ponds (Brunswick, Columbus, Franklin, New Hanover*, Rutherford, Watauga)					
<i>Utricularia floridana</i>	Florida Bladderwort	SR-T	-	SH	G3G5
C: natural lakes (Bladen*, Wayne*)					
<i>Utricularia geminiscapa</i>	Two-flowered Bladderwort	SR-P	-	S1	G4G5
SC: seepage areas on Suffolk Scarp, beaver ponds (Beaufort*, Cumberland, Hoke, Moore, Pender)					
<i>Utricularia macrorhiza</i>	Greater Bladderwort	SR-O	-	S1?	G5
C: pools and ponds (Hyde)					
<i>Utricularia minor</i>	Small Bladderwort	SR-D	-	SH	G5
M: bogs (Watauga*)					
<i>Utricularia olivacea</i>	Dwarf Bladderwort	T	-	S2	G4
C: limesink ponds, beaver ponds (Brunswick, Carteret, Craven*, Cumberland, Hoke, New Hanover, Onslow, Pender)					
<i>Utricularia resupinata</i>	Northeastern Bladderwort	E	-	S1	G4
C: natural lakes (Columbus, Washington)					
<i>Vaccinium macrocarpon</i>	Cranberry	SR-P	-	S2	G4
MC: bogs, seeps, pocosins (Alleghany, Ashe, Avery, Bladen*, Brunswick, Burke, Cumberland, Currituck*, Dare, Haywood, Hyde, Transylvania, Tyrrell, Watauga)					
<i>Vaccinium virgatum</i>	Small-flower Blueberry	SR-P	-	S1	G4

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S: pocosins, blackwater swamps, mesic pine flatwoods, sandhill seeps (Hoke+, Scotland)					
<i>Veratrum woodii</i>	Ozark Bunchflower	SR-P	-	S1	G5
M: circumneutral soil of woodlands over mafic rocks such as amphibolite or other calcareous substrates					
<i>Verbena riparia</i>	Riverbank Vervain	SR-T	FSC	SH	GUGHQ
P: rich thickets and banks of streams (Caldwell*, Stanly*)					
<i>Verbesina walteri</i>	Walter's Crownbeard	SR-T	-	S1	G4
M: rich cove forests (Henderson, Polk)					
<i>Veronica americana</i>	American Speedwell	SR-P	-	S2	G5
MC: seeps, bogs (Alleghany, Ashe*, Avery, Craven*, Madison, Mitchell*, Watauga, Yancey*)					
<i>Viola appalachensis</i>	Appalachian Violet	SR-T	-	S2	G3
M: olivine barrens and alluvial forests (Clay, Macon)					
<i>Viola walteri</i>	Prostrate Blue Violet	SR-T	-	S1	G4G5
MP: rich cove forests and other rich forests (Jackson, Montgomery, Richmond, Stanly)					
<i>Warea cuneifolia</i>	Carolina Pineland-cress	E	-	S1	G4
S: sandhills (Cumberland*, Harnett*, Hoke)					
<i>Woodsia appalachiana</i>	Appalachian Cliff Fern	SR-P	-	S2	G4
M: cliffs, rock outcrops (Alleghany, Ashe*, Buncombe*, Burke, McDowell, Polk, Rutherford, Surry, Transylvania, Wilkes+)					
<i>Woodsia ilvensis</i>	Rusty Cliff Fern	SR-P	-	S1	G5
M: cliffs, rock outcrops (Alleghany, Ashe, Surry)					
<i>Xyris chapmanii</i>	Chapman's Yellow-eyed-grass	SR-T	-	S3	G3
S: mucky sandhill seeps (Cumberland, Harnett, Hoke, Moore, Richmond, Scotland)					
<i>Xyris floridana</i>	Florida Yellow-eyed-grass	SR-P	-	S1	G5T4T5
C: savannas (Carteret, Onslow, Pender, Robeson*)					
<i>Xyris scabrifolia</i>	Harper's Yellow-eyed-grass	SR-T	FSC	S2	G3
S: sandhill seeps and bogs (Cumberland, Harnett, Hoke, Moore, Richmond, Scotland)					
<i>Xyris serotina</i>	Acid-swamp Yellow-eyed-grass	SR-P	-	S1	G3G4
C: savannas (Pender)					
<i>Xyris stricta</i>	Pineland Yellow-eyed-grass	SR-P	-	S1	G4
C: savannas (Brunswick, Carteret, Pender)					
<i>Yucca gloriosa</i>	Moundlily Yucca	SR-P	-	S2?	G4?
T: dunes (Brunswick, Carteret, Dare, Hyde, New Hanover, Onslow, Pender)					
<i>Zephyranthes simpsonii</i>	Rain Lily	E	FSC	S1S2	G2G3
C: roadsides, calcareous coastal fringe forest (Brunswick)					

Mosses

<i>Aphanorrhegma serratum</i>	A Moss	SR-O	-	SH	G4G5
P: soil or clay in places subject to inundation (Durham*)					
<i>Bellibarbula recurva</i>	Recurved Carpet-moss	SR-P	-	S1?	G3G5

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M: thin soil over moist rock <i>Brachydontium trichodes</i>	Peak Moss	SR-D	-	S1	G2G4
M: on moist rocks in spruce-fir forests (Mitchell, Swain) <i>Brachymentum andersonii</i>	Anderson's Melon-moss	SR-L	FSC	SH	GH
M: on humus in acidic cove forests - mixed hardwood-hemlock (Macon*) <i>Brachymentum systylium</i>	Mexican Melon-moss	SR-D	-	S1	G5
M: on humus in acidic cove forests mixed hardwood-hemlock (Macon*) <i>Brachythecium populeum</i>	Matted Feather Moss	SR-P	-	SH	G5
M: mountain forests (Avery*, Caldwell*, Watauga*) <i>Brachythecium rotaeanum</i>	Rota's Feather Moss	SR-D	-	S1	G3G4
CMP: on bark or rock in cove forests (Avery*, Caldwell*, Camden*, Carteret*, Craven*, Durham*, Haywood, Jackson*, Jones*, Martin*, McDowell*, Rowan*, Swain*, Transylvania, Watauga*) <i>Bruchia brevifolia</i>	A Pygmy Moss	SR-T	-	S1?	G3G4
C: soil of disturbed habitats (Harnett*, Pender*, Sampson) <i>Bruchia caroliniae</i>	A Pygmy Moss	SR-L	-	S1?	G3?
S: sandy soil of roadsides, old fields, or other disturbed areas (Lee*) <i>Bruchia fusca</i>	A Pygmy Moss	SR-T	-	SH	G1?
C: sandy soil in open places (Pender*) <i>Bruchia hallii</i>	A Pygmy Moss	SR-T	-	SH	G2
Gorge Moss M: rocks and streambanks in humid gorges, spray zones of waterfalls (Jackson*, Transylvania*) <i>Bryocrumia vivicolor</i>	Gorge Moss	E	FSC	SH	G1G2
Rust Foot Moss M: on moist rocks or soil at high elevations (Jackson, Rutherford*) <i>Bryoerythrophyllum ferruginascens</i>	Rust Foot Moss	SR-D	-	S1	G3G4
A Foot Moss M: on thin soil over shale (McDowell*) <i>Bryoerythrophyllum inaequalifolium</i>	A Foot Moss	SR-D	-	S1	G4?
Sword Moss M: rocks in humid gorges, spray zones of waterfalls (Jackson, Macon, McDowell*, Transylvania) <i>Bryoxiphium norvegicum</i>	Sword Moss	SR-O	-	S1	G5?
Riverside Bryum M: spray zones of waterfalls (Transylvania*) <i>Bryum riparium</i>	Riverside Bryum	SR-D	-	SH	G2G4
Bug-on-a-stick M: forests, roadside banks (Haywood*) <i>Buxbaumia aphylla</i>	Bug-on-a-stick	SR-O	-	SH	G4G5
Hump-backed Elves M: on rotten logs and stumps in mountain forests (Avery*, Watauga*) <i>Buxbaumia minakatae</i>	Hump-backed Elves	SR-T	-	SH	G2G3
Yellow Starry Fen Moss M: fens (Ashe) <i>Campylium stellatum</i>	Yellow Starry Fen Moss	SR-D	-	S1	G5
Black Fish Hook Moss M: near crevices and seepage zones on exposed granite (Ashe*, Buncombe*, Haywood, Jackson*, Macon*, Transylvania) <i>Campylopus atrivirens var. atrovirens</i>	Black Fish Hook Moss	SR-D	-	S1?	G4G5TNR
Savanna Campylopus <i>Campylopus caroliniae</i>	Savanna Campylopus	SR-T	FSC	S1S2	G2

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C: savannas, sandhills (Brunswick, Carteret, Cumberland, Sampson, Scotland) <i>Campylopus oerstedianus</i> P: granite flatrocks (Wake*)	Oersted's Campylopus	SR-D	-	S1	G1G3
M: high elevation rock outcrops (Avery*) <i>Campylopus paradoxus</i>	Paradoxical Campylopus	SR-D	-	S1	G5
M: moist rocks, wet by seepage or waterfall spray (Alleghany*, Jackson, McDowell*, Swain*, Transylvania) <i>Cirriphyllum piliferum</i>	Long Leaf Mustache Moss	SR-P	-	S1	G5
P: wet soil, sandy swamps (Wake) <i>Cleistocarpidium palustre</i>	Prairie Pleuridium	SR-D	-	S1	G5?
MP: rock outcrops and cliffs (Alleghany*, Burke) <i>Coscinodon cribrosus</i>	Copper Grimmia	SR-T	-	S1	G3G4
MP: trunks of trees in humid forests, sometimes in swamp forests (Macon*, Moore*, Orange, Swain*) <i>Cryphaea nervosa</i>	A Thread Cedar Moss	SR-T	-	S1?	G4?
M: moist woods, over moist rocks (Rutherford*, Swain*) <i>Cyrtos hypnum pygmaeum</i>	Pygmy Cyrtos hypnum Moss	SR-O	-	S1?	G4G5
P: bases of trees, stumps, or on rocks in places submerged at high water (Mecklenburg*, Orange) <i>Dichelyma capillaceum</i>	Hair Claw Moss	SR-P	-	S1?	G5
M: seepage or spray zones of waterfalls on mafic or calcareous rocks (Ashe*, Buncombe*, Haywood*, Henderson*, Jackson*, Macon*, McDowell*, Mitchell*, Swain*, Transylvania*) <i>Dichodontium pellucidum</i>	Transparent Fork Moss	SR-P	-	S2	G4G5
MP: wet soil on banks of roads and streams (Burke, Durham*, Macon*) <i>Dicranella rufescens</i>	Red Fork Moss	SR-O	-	S1?	G5?
MP: wet, calcareous soil, in open, disturbed places (Durham*, Granville, Macon*) <i>Dicranella varia</i>	Variable Fork Moss	SR-O	-	S1?	G5
M: bogs, seeps (Avery*, Buncombe*, Burke*, Haywood*, Yancey*) <i>Dicranum undulatum</i>	Bog Broom-moss	SR-D	-	S1	G5
M: soil, silt, sandstone, concrete, calcareous rock (McDowell*) <i>Didymodon fallax</i>	Fallacious Screw Moss	SR-O	-	SH	G5
MP: on limestone, limy shale, clay in moist areas, seepages, waterfalls (McDowell*, Rowan) <i>Didymodon tophaceus</i>	Three-ranked Didymodon	SR-O	-	S1?	G5
M: acidic cove forests (Macon) <i>Ditrichum ambiguum</i>	Ambiguous Ditrichum	SR-P	-	S1	G4?
MP: sandy or clay soil, clearings in woods, over rocks and along streams (Jackson*, Macon, Surry*, Transylvania*) <i>Ditrichum rhynchostegium</i>	A Golden Tread Moss	SR-T	-	S1?	G3G5
M: on moist calcareous rocks (Macon*, McDowell*) <i>Encalypta procer</i>	Extinguisher Moss	SR-D	-	S1	G4G5
Entodon compressus	Flattened Entodon	SR-P	-	S1	G4

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MP: on moist calcareous rocks (Macon*, McDowell*, Person*, Rockingham*)					
<i>Entodon concinnus</i> M: on moist calcareous rocks (McDowell*)	Lime Entodon	SR-P	-	S1	G4G5
<i>Entodon sullivantii</i> M: on rocks or bark in humid gorges and cove forests (Buncombe*, Burke, Caldwell*, Graham*, Jackson, Macon*, McDowell, Polk*, Swain, Transylvania)	Sullivant's Entodon	SR-O	-	S2	G3G4
<i>Ephemerum cohaerens</i> P: moist or drying disturbed soil (Durham*)	Northern Short-lived Moss	SR-T	-	SH	G4G5
<i>Eucladium verticillatum</i> M: on moist calcareous rocks (McDowell*)	Lime-seep Eucladium	SR-O	-	S1	G4
<i>Fissidens asplenioides</i> P: sandstone ledges and crevices in moist ravines and grottoes, along streams and waterfalls (Stokes*)	A Plume Moss	SR-O	-	SH	G3G5
<i>Fissidens hallianus</i> C: in water over rocks, and bases of trees, in swamps (Beaufort*)	A Plume Moss	SR-O	-	SH	GNRQ
<i>Fissidens hallii</i> C: on bark in cypress-gum swamps (Jones*)	Hall's Pocket Moss	SR-T	-	S1	G2
<i>Fissidens scalaris</i> P: bare, disturbed soil of stream banks and roadsides (Mecklenburg*)	A Plume Moss	SR-O	-	SH	GNR
<i>Fontinalis sphagnifolia</i> M: on rocks in flowing water (Macon)	A Water Moss	SR-O	-	S1?	G3G5
<i>Fontinalis welchiana</i> P: submerged rocks (Orange)	Welch's Fontinalis Moss	SR-T	-	S1?	GU
<i>Grimmia longirostris</i> M: waterfall spray zones (Transylvania*)	A Beard Moss	SR-D	-	S1?	G4G5
<i>Herzogiella turfacea</i> M: on bases of trees and rotten log in coniferous woods or swamps (Swain, Yancey)	Flat Stump Moss	SR-P	-	S1?	G4G5
<i>Homalia trichomanoides</i> M: in spray zones of waterfalls, on rocks in humid gorges (Avery, Jackson, Macon*, McDowell*, Transylvania)	Lime Homalia	SR-P	-	S1	G5
<i>Homaliadelphus sharpii</i> M: on dry mafic or calcareous rocks in gorges (Jackson*)	Sharp's Homaliadelphus	SR-P	-	S1	G3?
<i>Hygrohypnum closteri</i> MP: on rocks submersed in streams (Burke*, McDowell*, Orange, Polk*, Swain*)	Closter's Brook-hypnum	SR-T	-	S1	G3
<i>Hylocomiastrum umbratum</i> M: on trees and rocks in moist forests, especially under spruce-fir (Buncombe*, Macon, Swain*, Yancey*)	Shaded Feather Moss	SR-P	-	S1?	G5
<i>Hypnum pratense</i> M: terrestrial in damp open sites, swampy and peatland areas (Ashe, Jackson)	Meadow Feather Moss	SR-P	-	S1?	G5

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<i>Leptodontium excelsum</i> M: on bark of Fraser Firs and Red Spruces in spruce-fir forests (Avery, Caldwell, Haywood, Jackson, Mitchell, Swain, Transylvania*, Watauga)	Grandfather Mountain Leptodontium	SR-L	-	S1	G2
<i>Leptodontium flexifolium</i> M: high elevation rocky summits and moist calcareous rocks (Ashe*, Avery, Caldwell, Haywood*, Swain*, Transylvania*, Watauga, Yancey*)	Pale-margined Leptodontium	SR-D	-	S1	G5
<i>Leptohymenium sharpii</i> M: moist rocks in spruce-fir forests (Haywood*, Mitchell*, Swain*, Yancey)	Mount Leconte Moss	SR-L	-	S1	G1
<i>Leskeella nervosa</i> M: dry or moist, shaded substrates (Haywood*)	Common Fine Moss	SR-O	-	SH	G5
<i>Lindbergia brachyptera</i> M: bark of hardwoods (Ashe*, Cherokee*, Watauga)	Lindberg's Maple-moss	SR-P	-	S1	G5
<i>Macrocoma sullivantii</i> MP: bark of cedar or hardwoods (Burke, Clay*, Jackson, Macon, Rutherford, Swain, Transylvania, Wilkes)	Sullivant's Maned-moss	SR-D	-	S2	G3G5
<i>Micromitrium synoicum</i> P: drying or dried ponds, edges of lakes or streams, bare soil in open forests (Durham)	A Moss	SR-O	-	S1?	G4
<i>Neckera complanata</i> M: on calcareous rocks in humid gorges	Flat Feather Moss	SR-O	-	S1	G5
<i>Orthodontium pellucens</i> MP: moist felsic or calcareous rocks (Stokes*, Swain*)	Translucent Orthodontium	SR-O	-	S1	G5
<i>Orthotrichum exiguum</i> P: base of trees or on tree trunks (Union*)	Small Wood-bark Moss	SR-O	-	SH	G3?
<i>Orthotrichum keeverae</i> MP: on trees around low elevation granitic domes (Alexander, Alleghany, Wilkes)	Keever's Bristle-moss	E	-	S2	G2
<i>Orthotrichum obtusifolium</i> M: bark of hardwoods (Ashe*)	Blunt Bristle-moss	SR-P	-	S1	G5
<i>Orthotrichum strangulatum</i> MP: exclusively on dry, exposed, calcareous or dolomitic bluffs and rock faces (Davidson*, Davie*, Forsyth*, Guilford*, Madison*, McDowell*, Rockingham*, Stokes*, Surry*, Yadkin*)	Drummond Moss	SR-P	-	SH	G4
<i>Palamocladium leskeoides</i> M: calcareous rocks in humid gorges (Jackson*)	Palamocladium	SR-D	-	S1	G3G5
<i>Philonotis cernua</i> M: in spray zones of waterfalls, moist rocks in humid gorges (Jackson, Macon*, Rutherford*, Transylvania)	Dwarf Apple Moss	SR-D	-	S1	G4?
<i>Philonotis uncinata</i> M: rocks and soil in open habitats (Transylvania*)	An Apple Moss	SR-P	-	SH	G5
<i>Pilosium chlorophyllum</i>	A Moss	SR-D	-	S1?	GNR

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
M: moist area on trees (Jackson, Transylvania)					
<i>Plagiomnium carolinianum</i>	Carolina Star-moss	SR-L	-	S2	G3
M: rocks and streambanks in humid gorges (Jackson, Macon*, Swain*, Transylvania)					
<i>Plagiomnium ellipticum</i>	Marsh Magnificent Moss	SR-P	-	S1?	G5
M: rocks in moist areas (Graham)					
<i>Plagiomnium rostratum</i>	Long-beaked Thread Moss	SR-P	-	S1?	G5
M: wet rocks (Buncombe, Macon*, McDowell*, Transylvania)					
<i>Platydictya confervoides</i>	Alga-like Matted-moss	SR-P	-	S1	G4G5
M: calcareous rocks (Madison*, McDowell*)					
<i>Platyhypnidium pringlei</i>	Pringle's Eurhynchium	SR-D	-	S1	G2G3
M: rocks and streambanks in humid gorges, spray zones of waterfalls (Macon, Polk, Transylvania)					
<i>Platyhypnidium riparioides</i>	Long-beaked Water Feather Moss	SR-O	-	S1?	G4
M: moist hardwood forest or drier coniferous swamps (Haywood, Macon*)					
<i>Pleuridium sullivantii</i>	A Moss	SR-O	-	SH	G3G5
S: sandy soil in open weedy habitats, openings in woods, disturbed roadsides (Harnett*)					
<i>Pleurochaete luteola</i>	Spring-leaved Screw Moss	SR-O	-	S1?	G5?
P: exposed clay or sandy soil over calcareous rock (Durham)					
<i>Pogonatum dentatum</i>	Hair-like Hair-cap	SR-P	-	S1?	G3G5
M: dry, sunny habitats, sandy or gravelly soil, rocks (Mitchell)					
<i>Pohlia lescureiana</i>	Spherical Bulb Nodding Moss	SR-T	-	S1?	G4?
MP: on wet, noncalcareous soil in open areas (Alleghany, Ashe, Forsyth*, Jackson, Macon, Watauga, Wilkes)					
<i>Pohlia melanodon</i>	Pink-fruited Thread-moss	SR-D	-	S1?	G4?
MP: moist, clay soils (Durham, Yancey*)					
<i>Polytrichastrum alpinum</i>	Alpine Hair Moss	SR-D	-	S1?	G4G5
M: open areas on rocks or humus (Mitchell)					
<i>Racomitrium aciculare</i>	Dark Mountain Fringe Moss	SR-P	-	S1?	G5
M: wet, shaded, acid rocks (Burke, Jackson, Macon)					
<i>Rhabdoweisia crenulata</i>	Himalayan Ribbed-weissia	SR-D	-	S1	G3G5
M: moist rocks in cove forests in humid gorges (Jackson, McDowell)					
<i>Rhachithecium perpusillum</i>	Budding Tortula	SR-D	-	S1S2	G4G5
PM: bark of hardwoods (Ashe*, Cleveland*, Iredell*, McDowell*, Mecklenburg*, Surry*, Watauga*, Wilkes*)					
<i>Rhytidiodelphus subpinnatus</i>	A Moss	SR-T	-	S1?	GU
M: damp to wet substrates in swamps and moist forests, along streams, spray of waterfalls (Macon)					
<i>Rhytidium rugosum</i>	Golden Tundra-moss	SR-P	-	S2	G5
M: high elevation rocky summits, grassy balds, glades, over mafic rocks (Ashe, Avery, Buncombe*, Caldwell, Mitchell, Watauga, Yancey*)					
<i>Schlotheimia lancifolia</i>	Highlands Moss	T	-	S1	G2

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M: on bark of hardwoods in cove forests (Graham*, Jackson, Macon, Transylvania*)					
<i>Scopelelophila cataractae</i>	Agoyan Cataract Moss	SR-D	-	S1	G3
MP: copper-rich soils (Burke, Cabarrus, Davidson, Jackson, McDowell*, Montgomery, Rowan)					
<i>Scopelelophila ligulata</i>	Copper Moss	SR-O	-	S1	G5?
MP: copper-rich soils and rock faces (Cabarrus, Clay*, Graham, Haywood, Jackson*, Macon, McDowell*, Rowan, Swain, Transylvania)					
<i>Sphagnum angustifolium</i>	Narrowleaf Peatmoss	SR-D	-	S1	G5
M: bogs (Alleghany, Ashe, Jackson, Mitchell, Transylvania, Watauga)					
<i>Sphagnum capillifolium</i>	Northern Peatmoss	SR-P	-	S1	G5
M: bogs, heath bald (Ashe, Avery*, Caldwell*, Henderson*, Jackson, Macon*, Watauga)					
<i>Sphagnum contortum</i>	A Peatmoss	SR-D	-	S1	G5
M: bogs (Ashe)					
<i>Sphagnum fallax</i>	Pretty Peatmoss	SR-P	-	S2	G5
CM: bogs (Ashe, Avery*, Brunswick*, Burke, Columbus*, Jackson)					
<i>Sphagnum flavicomans</i>	A Peatmoss	SR-T	-	SH	G3
M: spray cliff, spruce-fir forest, or high elevation rocky summit (Macon*, Mitchell*)					
<i>Sphagnum flexuosum</i>	Flexuous Peatmoss	SR-P	-	S1	G5
M: bogs (Jackson, Watauga)					
<i>Sphagnum fuscum</i>	Brown Peatmoss	E	-	S1	G5
M: bogs (Ashe, Watauga)					
<i>Sphagnum pylaeii</i>	Simple Peatmoss	SR-D	-	S1	G4
M: seepage cliffs, natural pools (Burke, Jackson)					
<i>Sphagnum russowii</i>	Russow's Peatmoss	SR-D	-	S1	G5
CM: bogs (Bertie, Macon*, Watauga)					
<i>Sphagnum squarrosum</i>	Squarrose Peatmoss	SR-P	-	S1	G5
M: spray zones of waterfalls, seepage in spruce-fir forests (Burke, Macon*, Watauga*, Yancey)					
<i>Sphagnum subsecundum</i>	Orange Peatmoss	SR-P	-	S1	G5
M: bogs and rock ledges (Ashe, Avery, Burke+, Haywood+, Jackson, Macon, Mitchell, Swain+, Transylvania, Wake*, Watauga)					
<i>Sphagnum tenellum</i>	Delicate Peatmoss	SR-D	-	S1	G5
M: high elevation granitic domes (Jackson)					
<i>Sphagnum torreyanum</i>	Giant Peatmoss	SR-P	-	S1	G3G4
C: beaver ponds and old mill ponds on blackwater creeks (Craven, Dare, Harnett*, Jones, Richmond, Scotland, Tyrrell)					
<i>Sphagnum warnstorffii</i>	Fen Peatmoss	SR-D	-	S1	G5
M: bogs and fens (Alleghany, Watauga)					
<i>Splachnum pennsylvanicum</i>	Southern Dung Moss	SR-O	-	SH	G4?
M: bogs (Avery*, Macon*)					
<i>Syrrhopodon incompletus</i>	Cuban Schliessmund	SR-P	-	S1	G5
T: on treetrunks in maritime forests (Brunswick*)					
<i>Taxiphyllum alternans</i>	Japanese Yew-moss	SR-O	-	S1	G3?

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M: on limestone in spray zones of waterfalls (Macon*)					
<i>Taxiphyllum cuspidifolium</i>	A Moss	SR-T	-	S1	G2G4
M: on limestone in spray zones of waterfalls (Macon*)					
<i>Tetrodontium brownianum</i>	Little Georgia	SR-T	-	S1	G3G4
M: shady recesses of rock overhangs (Jackson, Transylvania)					
<i>Tortula ammonsiana</i>	Ammons's Tortula	E	-	S1	G1
M: shaded rock faces, probably with nutrient-rich seepage (Jackson)					
<i>Tortula fragilis</i>	Fragile Tortula	SR-D	-	S1	G5
M: shaded rock faces, probably with nutrient-rich seepage (Jackson*)					
<i>Tortula papillosa</i>	Papilloose Tortula	SR-P	-	S1	G5
PM: bark of hardwoods (Davie*, Haywood, Madison*, Orange, Surry*, Watauga)					
<i>Tortula plinthobia</i>	A Chain-teeth Moss	SR-O	-	S1?	G4G5
CMP: calcareous rocks, concrete or mortared walls (Carteret, Craven*, Madison*, Wake*)					
<i>Warnstorffia fluitans</i>	Floating Sickle-moss	SR-D	-	S1	G5
M: in spray zones of waterfalls (Avery, Jackson*, Transylvania*)					
<i>Weissia brachycarpa</i>	A Moss	SR-T	-	S1?	GNR
No habitat information					
<i>Weissia ludoviciana</i>	A Moss	SR-T	-	S1?	G3G4
CP: moist soil, fields, among grasses, roadside banks (Durham*, Johnston*, Sampson*)					
<i>Weissia sharpii</i>	A Moss	SR-O	-	S1?	G3
P: calcareous rock, cedar-oak bluffs, cedar barrens (Davidson)					
<i>Zygodon viridissimus</i> var. 1	A Moss	SR-L	-	SH	GU
M: bark of hardwoods in dry oak-hickory forests (Alleghany*)					
Liverworts					
<i>Acrobolbus ciliatus</i>	A Liverwort	SR-D	-	S1	G3?
M: on moist rocks, in spray zones of waterfalls in humid gorges or in high elevation spruce-fir forests (Buncombe, Haywood*, Jackson, Macon, Transylvania, Yancey*)					
<i>Anastrophyllum saxicola</i>	A Liverwort	SR-D	-	S1	G3G4
M: high elevation rocky summits (Mitchell*)					
<i>Aneura sharpii</i>	A Liverwort	SR-T	-	S1	G1G2
MP: in spray zones of waterfalls (Durham*, Jackson*, Macon*, McDowell, Swain, Watauga)					
<i>Barbilophozia barbata</i>	A Liverwort	SR-D	-	S1	G4?
M: on high elevation rocky summits (Ashe, Wilkes*)					
<i>Barbilophozia hatcheri</i>	A Liverwort	SR-D	-	S1	G5
M: on high elevation rocky summits (Ashe, Yancey*)					
<i>Bazzania nudicaulis</i>	A Liverwort	SR-T	-	S2	G2G3
M: on bark of Fraser Fir or on shaded rock in spruce-fir forests (Avery, Buncombe*, Caldwell, Mitchell, Swain, Watauga, Yancey)					
<i>Cephalozia connivens</i> var. <i>bifida</i>	A Liverwort	SR-T	-	S1	G5T1Q

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C: moist riverbank (New Hanover*, Pender*)					
<i>Cephalozia macrostachya</i> ssp. <i>australis</i> M: on moist rocks in humid gorges (Burke*, Macon*)	A Liverwort	SR-T	-	S1	G4T1
<i>Cephalozia pleniceps</i> var. <i>caroliniana</i> M: edge of stream (Transylvania*)	A Liverwort	SR-L	-	S1	G5T1
<i>Cephalozia pleniceps</i> var. <i>pleniceps</i> M: moist soil near a spring (Yancey*)	A Liverwort	SR-D	-	SH	G5T5
<i>Cephaloziella hampeana</i> M: fens (Ashe*, Rutherford)	A Liverwort	SR-D	-	S1	G5
<i>Cephaloziella spinicaulis</i> M: in crevices of high elevation rocky summits (Alleghany*, Ashe*, Haywood, Macon, Madison)	A Liverwort	SR-P	-	S1	G3G4
<i>Cheilolejeunea evansii</i> M: on bark of hardwoods in humid gorges (Jackson, Transylvania*)	A Liverwort	E	-	S1	G1
<i>Cheilolejeunea myriantha</i> MC: on tree bark in sandhills or mountain forests (Sampson*, Transylvania*)	A Liverwort	SR-P	-	SH	G3G4
<i>Cheilolejeunea rigidula</i> CT: on bark in maritime forests, and in blackwater swamp forests (Brunswick, Columbus*, Hyde*)	A Liverwort	SR-P	-	S2	G5
<i>Chiloscyphus appalachianus</i> M: on rock faces in spray zone of waterfalls (Burke, Graham, Jackson, Macon*)	A Liverwort	SR-T	FSC	S1	G1G2Q
<i>Chiloscyphus muricatus</i> M: on rocks or bark in humid gorges (Burke, Jackson, Macon*, Transylvania)	A Liverwort	SR-D	-	S1	G5
<i>Cololejeunea ornata</i> M: on bark of trees, sometimes over other liverworts	A Liverwort	SR-T	-	SH	G2G4
<i>Cylindrocolea rhizantha</i> C: on marl outcrops (Columbus*)	A Liverwort	SR-P	-	SH	G3?
<i>Diplophyllum apiculatum</i> var. <i>taxifoliooides</i> M: moist soil or rocks (Ashe*, Burke*, Haywood*, McDowell, Mitchell*)	A Liverwort	SR-L	-	S1	G5T2Q
<i>Diplophyllum obtusatum</i> M: on rock outcrops (Buncombe*, Burke*, McDowell*)	A Liverwort	SR-D	-	S1	G2?
<i>Diplophyllum taxifolium</i> var. <i>mucronatum</i> M: high elevation rocky summits (Haywood*, Jackson*, Transylvania*)	A Liverwort	SR-L	-	S1	G5T1
<i>Drepanolejeunea appalachiana</i> M: on moist rock, rhododendron bark, and rhododendron leaves in humid gorges (Burke, Clay*, Jackson, Macon, Transylvania*)	A Liverwort	SR-L	-	S1	G2?
<i>Frullania appalachiana</i> M: on bark of hardwoods in spruce-fir forests (Avery*, Burke, Clay*, Haywood*, Jackson*, Macon*, Rutherford)	A Liverwort	SR-L	-	S1?	G1?
<i>Frullania donnellii</i> C: on bark of Ilex in marshes (Carteret+, Craven+)	A Liverwort	SR-T	-	SH	G3?

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<i>Lejeunea bermudiana</i> C: on marl outcrops or on decaying logs in blackwater swamps, or tree bases in swamps (Brunswick*, Carteret*, Columbus*, Craven)	A Liverwort	SR-P	-	S1	G3G4
<i>Lejeunea blomquistii</i> M: on dead tree bark or vertical rock faces in spray zone of waterfalls (Burke, Jackson, Macon*, McDowell, Transylvania)	A Liverwort	SR-L	-	S1	G1G2
<i>Lejeunea cavifolia</i> M: on shaded mafic rocks (Ashe*, Polk*, Swain)	A Liverwort	SR-P	-	S1	G5
<i>Lejeunea dimorphophylla</i> TC: on bark in maritime forests (Carteret*)	A Liverwort	SR-L	-	S1	G2G3
<i>Lejeunea glaucescens</i> var. <i>acrogyna</i> C: Endemic to one historical location on shaded rock at the piedmont/coastal plain fall line (Harnett*)	Raven Rock Liverwort	SR-L	-	SH	G5TH
<i>Leptoscyphus cuneifolius</i> M: on bark of Fraser Firs or on moist rock, in spruce-fir forests (Haywood*, Jackson*, Mitchell*, Swain, Yancey)	A Liverwort	SR-D	-	S2	G4G5
<i>Lopholejeunea muelleriana</i> C: on bark of gums and cypresses in blackwater swamp forests (Columbus*)	A Liverwort	SR-D	-	SH	G4G5
<i>Lophozia excisa</i> M: on high elevation rocky summits (Ashe*)	A Liverwort	SR-D	-	S1	G5
<i>Lophozia heterocolpos</i> M: on high elevation rocky summits (Ashe)	A Liverwort	SR-D	-	S1	G5
<i>Mannia californica</i> M: on mineral-rich, dry rock outcrops (Jackson*, McDowell+, Polk+)	A Liverwort	SR-T	-	S1	G3?
<i>Marsupella emarginata</i> var. <i>latiloba</i> M: on moist rocks in humid gorges, spray zones of waterfalls, or high elevations (Burke, Haywood*, Jackson*, Macon*, McDowell*, Mitchell*, Transylvania*)	A Liverwort	SR-L	-	S1	G5T1T2
<i>Marsupella funkii</i> M: on high elevation, sulphur-bearing rock (Swain*)	A Liverwort	SR-D	-	S1	G4G5
<i>Metzgeria temperata</i> M: Fraser fir forests and hemlock forests (Avery, Caldwell, Clay*, Haywood, Jackson+, Macon+, Mitchell, Swain, Transylvania, Watauga, Yancey)	A Liverwort	SR-D	-	S1S2	G4
<i>Metzgeria violacea</i> M: bark of trees (Haywood, Jackson)	A Liverwort	SR-D	-	S1S2	GNR
<i>Mylia taylorii</i> M: moist rock outcrops at high elevations, spray zone of waterfalls (Avery, Caldwell, Jackson, Watauga)	A Liverwort	SR-D	-	S1	G5
<i>Nardia scalaris</i> ssp. <i>botryoidea</i> P: exposed rock ledges sometimes wet from seepage (Burke)	A Liverwort	SR-O	-	S1	G5T1
<i>Nardia scalaris</i> ssp. <i>scalaris</i>	A Liverwort	SR-D	-	S1	G5T5

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M: on high elevation rocky summits and on moist rocks in spruce-fir forests (Buncombe, Haywood*)					
<i>Plagiochasma intermedium</i>	A Liverwort	SR-O	-	S1	G3G5
M: on moist limestone					
<i>Plagiochasma wrightii</i>	A Liverwort	SR-D	-	S1	G3?
M: on moist calcareous rocks (McDowell)					
<i>Plagiochila austinii</i>	A Liverwort	SR-T	-	S1S2	G3
M: moist rocks (Avery, Burke, Jackson, Macon*, Madison, Watauga*)					
<i>Plagiochila caduciloba</i>	A Liverwort	SR-T	-	S2	G2
M: rocks and streambanks in humid gorges, spray zone of waterfalls (Burke, Clay*, Graham, Haywood*, Jackson, Macon, McDowell*, Transylvania, Yancey*)					
<i>Plagiochila corniculata</i>	A Liverwort	SR-D	-	S2	G4?
M: on bark of Fraser Firs in spruce-fir forests, rarely on hardwoods (Avery, Buncombe*, Haywood*, Jackson*, Mitchell, Swain, Transylvania*, Yancey)					
<i>Plagiochila dubia</i>	A Liverwort	SR-P	-	S1	G4G5
CP: on bark at bases of trees in swamps (Brunswick, Columbus*)					
<i>Plagiochila echinata</i>	A Liverwort	SR-L	-	S1	G2Q
M: rocks and streambanks in humid gorges, spray zone of waterfalls (Graham, Jackson, Macon*, Transylvania)					
<i>Plagiochila ludoviciana</i>	A Liverwort	SR-P	-	S1	G5
CPM: on bark or moist rock in swamps and mountain gorges (Bladen, Brunswick*, Burke, Cherokee*, Clay*, Craven, Durham*, Jackson*, Macon*, McDowell, Orange, Rutherford*, Stokes*, Transylvania, Washington*, Yadkin*)					
<i>Plagiochila miradorensis var. miradorensis</i>	A Liverwort	SR-P	-	SH	G4T4
T: on bark in maritime forests and swamps (Carteret*)					
<i>Plagiochila sharpii</i>	A Liverwort	SR-L	FSC	S2	G2G4
M: damp rock faces in humid gorges, high elevation rocky summits (Graham, Haywood*, Jackson, Macon, Transylvania, Yancey*)					
<i>Plagiochila sullivantii var. spinigera</i>	A Liverwort	SR-L	FSC	S1	G2T1
M: on moist rocks in spray zones of waterfalls (Burke*, Jackson*)					
<i>Plagiochila sullivantii var. sullivantii</i>	A Liverwort	SR-T	FSC	S2	G2T2
M: on moist rocks, in spray zones of waterfalls and in spruce-fir forests (Avery, Burke, Caldwell*, Cherokee*, Clay*, Graham, Haywood*, Jackson*, Macon*, McDowell, Mitchell*, Swain*, Transylvania*, Watauga*, Yancey*)					
<i>Plagiochila virginica var. caroliniana</i>	A Liverwort	SR-T	FSC	S1	G3T2
M: moist rock faces, including spray zone of waterfalls (Avery*, Jackson*, Macon*, Transylvania*)					

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<i>Plagiochila virginica</i> var. <i>virginica</i> CM: on limestone (Ashe, Jackson, Martin*, McDowell, Pitt*, Wilkes*)	A Liverwort	SR-L	-	S1	G3T3
<i>Porella wataugensis</i> M: on rocks in humid gorges (Burke, Graham, Macon, McDowell, Transylvania, Watauga*)	A Liverwort	SR-L	FSC	S1	G1G2Q
<i>Ptilidium ciliare</i> M: on soil in high elevation forests (Mitchell+)	A Liverwort	SR-D	-	S1	G5
<i>Radula sullivantii</i> M: on moist rocks, mostly in spray zones of waterfalls (Jackson*, Macon, Transylvania*)	A Liverwort	SR-L	-	S2	G3
<i>Radula voluta</i> M: on moist rocks in spray zones of waterfalls (Macon)	A Liverwort	SR-D	-	S1	G3
<i>Riccardia jugata</i> M: on fallen logs in humid areas, especially gorges (Graham, Haywood, Macon*)	A Liverwort	SR-L	-	S1?	G2
<i>Scapania mucronata</i> M: high elevation rocky summits (Ashe*)	A Liverwort	SR-D	-	S1	G5
<i>Sphenolobopsis pearsonii</i> M: on bark of Fraser Firs in spruce-fir forests (Avery, Caldwell, Haywood*, Jackson*, Mitchell, Swain, Watauga, Yancey)	A Liverwort	E	FSC	S2	G2?
<i>Tritomaria exsectiformis</i> ssp. <i>exsectiformis</i> M: on high elevation rocky summits (Ashe*)	A Liverwort	SR-D	-	SH	G5T5
Hornworts					
<i>Aspiromitus appalachianus</i> M: on rocks on streambeds (Transylvania*)	A Hornwort	SR-L	FSC	S1	G1
<i>Megaceros aenigmaticus</i> M: on rocks in streams (Cherokee, Clay, Graham, Haywood, Macon, Swain)	A Hornwort	SR-L	-	S2S3	G2G3
Lichens					
<i>Anaptychia setifera</i> M: high elevation rocky summits and exposed tree twigs on dry ridges (Mitchell)	Hanging Fringe Lichen	SR-D	-	S1	G3G4
<i>Anzia americana</i> M: on bark of trees in humid gorges (Transylvania*)	A Black-foam Lichen	SR-T	-	S1	G3G5
<i>Anzia ornata</i> C: on bark of deciduous trees where humidity is fairly high (Duplin*)	A Black-foam Lichen	SR-T	-	SH	G1G3
<i>Canoparmelia amabilis</i> M: on bark of trees in open woods or on sandstone in river gorges (Polk, Transylvania)	Worthy Shield Lichen	E	FSC	S1	G1
<i>Cetraria arenaria</i> M: high elevation rocky summits, sandy soil, or thin soil over bedrock (Ashe, Avery, Watauga)	Sand-loving Iceland Lichen	SR-P	-	S2	G4
<i>Cetraria cetrariooides</i> M: on trees and mossy rocks in forests with an open understory; may prefer old growth or very mature	Sea Storm Lichen	SR-D	-	S2	G4G5

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forests (Buncombe*, Haywood*, Jackson*, Mitchell*, Swain*, Yancey*)					
<i>Cladonia psoromica</i>	Bluff Mountain Reindeer Lichen	SR-L	FSC	S1	G1
M: rock outcrops and fens and glades over amphibolite rock (Ashe)					
<i>Ephebe americana</i>	A Rockshag Lichen	SR-T	-	S1	G2G3
M: high elevation rocky summits (Caldwell*, Haywood*, Jackson*)					
<i>Ephebe lanata</i>	Rockshag Lichen	SR-D	-	S1	G5
MP: on rocks in rapidly flowing water and grottoes around mountain spray cliffs					
<i>Ephebe solida</i>	A Rockshag Lichen	SR-P	-	S1	G3G4
M: on rocks in rapidly flowing water and possibly moist grottoes around mountain spray cliffs (Burke, Transylvania)					
<i>Gymnoderma lineare</i> (= <i>Cetradonia linearis</i>)	Rock Gnome Lichen	T	E	S2	G2
M: high elevation rock outcrops, outcrops in humid gorges (Ashe, Avery, Buncombe, Burke, Graham, Haywood, Jackson, Macon, Mitchell, Rutherford, Swain, Transylvania, Yancey)					
<i>Heterodermia appalachensis</i>	Appalachian Fringe Lichen	SR-O	-	S1S2	G2?
MP: hardwood bark or rock faces, possibly associated with old growth forests					
<i>Hypotrachyna sinuosa</i>	Green Loop Lichen	SR-D	-	S1	G3G5
M: on twigs or small branches in humid but open forests					
<i>Hypotrachyna virginica</i>	Virginia Loop Lichen	SR-T	-	S1S2	G1G2
M: on twigs or rocks in open forests at high elevations					
<i>Lobaria scrobiculata</i>	Textured Lungwort	SR-P	-	S2?	G4
M: on bark of hardwoods at high elevations at spruce-fir zone					
<i>Melanelia stygia</i>	Alpine Camouflage Lichen	SR-D	-	S1S2	G4G5
M: high elevation rocky summits (Avery, Buncombe, Macon, McDowell, Mitchell, Yancey)					
<i>Pannaria conoplea</i>	Mealy-rimmed Shingle Lichen	SR-D	-	S1	G3G4
M: on bark at high elevations (Buncombe, Haywood, Henderson)					
<i>Physcia pseudospeciosa</i>	A Rosette Lichen	SR-T	-	S1	G1G2
M: mossy rocks in open woods and high elevation granitic and sandstone rock outcrops (Jackson)					
<i>Porpidia diversa</i>	Boulder Lichen	SR-T	-	S1	G2G3
M: high elevation rocky summits					
<i>Porpidia herteliana</i>	Boulder Lichen	SR-T	-	S1?	G2G3
M: high elevation rocky summits					
<i>Sticta limbata</i>	Powdered Moon Lichen	SR-D	-	S1	G3G4
M: on bark and over mosses on trees and rocks					
<i>Teloschistes flavicans</i>	Sunrise Lichen	SR-P	-	S1	G4G5
C: on branches of trees and shrubs or on the ground in open areas, especially near the coast (Brunswick, Carteret, Onslow)					
<i>Usnea angulata</i>	Old Man's Beard	SR-P	-	S1	G3G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
M: on branches of juniper on high elevation granitic domes (Jackson, Macon, Swain*)					
<i>Xanthoparmelia monticola</i>	A Rock-shield Lichen	SR-L	-	S2?	G2?
M: high elevation rocky summits (Buncombe*, Haywood*, Jackson*, Mitchell*, Transylvania*)					

NORTH CAROLINA PLANT WATCH LIST

The *North Carolina Plant Watch List* includes plant species which are rare or otherwise threatened with serious decline, but for which current information does not justify placement on the main list (E, T, C, SR, or SC). Watch List species can be indicators of significant habitats, and their presence should be considered in planning natural area protection efforts, though with less weight than higher priority rare species and natural communities. The NC NHP maintains paper files on these species, but does not include them in its GIS maps and database files. Plants placed on this list fall into a number of categories, discussed below. NC NHP requests additional information about these species, in order to clarify their status and reclassify them into other appropriate categories.

Reasons for the current placement of rare species on the Watch List rather than at a higher rarity status (Endangered, Threatened, Candidate, or Significantly Rare) vary. The taxonomic validity of some of these species is currently in doubt. For others, NC NHP lacks adequate documentation of their historic or present occurrence in North Carolina. Others are known to be rare in North Carolina, but it appears that they are not native to the state. For most species, however, their actual rarity is poorly known and we are requesting more data before such species receive a higher, and more formal, rarity status. A field survey form is provided in the back of this document. We request that people fill out this survey form and mail it to NC NHP after visiting occurrences of these species.

The Watch List has been divided into seven categories as follows. A list of potential "New-to-North Carolina" species is located after the Watch List.

Watch Category 1 (W1 - rare, but relatively secure) includes rare species whose status in North Carolina is relatively well known and which appear to be relatively secure at this time. While still notably rare, these species do not currently require site-specific monitoring and so are not on the main list (E, T, C, SR, or SC). Many of these species were formerly on the main list; they are retained in this category because they require a lower level of continued monitoring to ensure their long-term security. NC NHP maintains paper files on W1 species and requests occurrence data.

Watch Category 2 (W2 - rare, but taxonomically questionable) includes species with questionable taxonomy, including taxa of dubious validity and taxa under study and potentially to be named. If further study reveals that these are valid taxa, they would warrant addition to the Rare Plant List as Endangered, Threatened, Candidate, or Significantly Rare. This category has been used for named and unnamed taxa which currently appear to have some significant chance of being proven valid. We request data on taxonomic validity, as well as data on localities and populations.

Watch Category 3 (W3 - rare, but uncertain documentation) includes species which have been reported from North Carolina without adequate documentation. These species should be listed at a higher level when their reported occurrence in North Carolina is verified. This category includes sight records, old and vague reports for which no documentation has appeared, and, in a few cases, more recent literature reports for which we have not yet received documentation. We request data documenting native occurrence in North Carolina, as well as locality and population data.

Watch Category 4 (W4 - rare, but believed not native) includes species known to occur in North Carolina which current data suggest are not native to North Carolina, but whose native occurrence is plausible. Some of these species were previously listed at a higher level, but field investigations suggest that all known North Carolina occurrences are introductions. We request data documenting the native occurrences of the species in North Carolina.

Watch Category 5a and 5b The W5 list follows the main Watch list. See that list for additional discussion

Watch Category 5a (W5a - rare because of severe decline) includes species which have declined sharply in North Carolina, but which do not appear yet to warrant site-specific monitoring.

Watch Category 5b (W5b - exploited plants) These are generally widespread species, at least within their physiographic province, that are in commercial demand and are often collected and sold in high volume.

Watch Category 6 (W6 - regionally rare) includes species which are rare in one region of North Carolina, while being uncommon to abundant within another region. These regional rarities, generally within-state disjuncts, are significant for protection of genetic variation and long-term viability of species. NC NHP does not actively maintain files on W6 species occurrences. The W6 list follows the main Watch list. See that list for additional discussion.

Watch Category 7 (W7 - rare and poorly known) includes species with inadequate information about their distribution and rarity in North Carolina. These are generally species which have not been previously listed as rare in North Carolina, but which appear to be so, based on herbarium records and field experience of NC NHP staff, consultants, and cooperating scientists. Further information is needed in order to determine the true status of these species in North Carolina. We request locality and population data on these species.

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Rank Global
Watch List – Vascular Plants					
<i>Acer nigrum</i> M: rich cove forests (Ashe, Macon, Madison, Swain*, Watauga*, Yancey*)	Black Maple	W7	-	S1?	G5
<i>Agalinis aphylla</i> CS: wet savannas and Sandhills streamhead pocosin ecotones (Brunswick, Carteret, Columbus, Craven, Cumberland, Duplin*, Harnett, Hoke, Jones*, New Hanover*, Onslow, Pender, Richmond)	Scale-leaf Gerardia	W1	-	S3	G3G4
<i>Agalinis decemloba</i> PMS: dry, open sites (Buncombe*, Burke*, Durham, Forsyth*, Granville, Harnett, Henderson*, Hoke, Orange, Person, Randolph, Richmond, Rutherford*, Scotland, Stanly, Swain*, Transylvania*, Wake, Warren, Wilkes*)	Piedmont Gerardia	W1	-	S3	G4Q
<i>Agalinis linifolia</i> C: savannas, clay-based Carolina bays, depression ponds, and other wet, open habitats (Bladen, Brunswick, Carteret*, Columbus,	Flaxleaf Gerardia	W1	-	S3	G4?

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
Craven, Cumberland*, Hoke, New Hanover, Onslow, Pender, Robeson, Sampson, Scotland*)					
<i>Agalinis obtusifolia</i> C: savannas, seepage bogs, and wet ecotones (Bladen, Brunswick, Columbus, Craven, Onslow, Pender)	Blunt-leaf False-foxglove	W1	-	S2S3	G4G5Q
<i>Agarista populifolia</i> C: blackwater swamps (Columbus*)	Agarista	W3	-	SNR	G4G5
<i>Agrimonia incisa</i> CS: sandhill/pocosin ecotones	Cutleaf Agrimony	W3	-	SNR	G3
<i>Allium burdickii</i> M: northern hardwood forests	White Ramps	W3	-	SNR	G4G5
<i>Ampelaster carolinianus</i> C: wet sites (Bladen*)	Climbing Aster	W4	-	SH	G5
<i>Ampelopsis cordata</i> PM: floodplain forests (Anson, Burke, Madison*, Richmond)	Heartleaf Peppervine	W7	-	S2	G5
<i>Amphicarpum amphicarpon</i> C: pine savannas, pocosins, shallow peat burns in pocosin/savanna ecotones (Beaufort*, Bladen, Brunswick, Carteret, Columbus, Craven, Cumberland, Duplin*, Hoke, Martin*, Onslow, Pender, Pitt*, Robeson*, Sampson, Wilson*)	Pinebarrens Goober Grass	W1	-	S3	G4
<i>Amsonia ciliata</i> CPS: sandhills (Anson*, Bladen, Cumberland, Moore, Richmond, Robeson, Sampson, Scotland, Wake*)	Fringed Bluestar	W1	-	S3	G5?
<i>Andropogon arctatus</i> C: marsh (Pamlico*)	Pinewoods Bluestem	W3	-	SH	G3
<i>Andropogon brachystachyus</i> Habitat in North Carolina not known	Short-spike Bluestem	W3	-	SNR	G4
<i>Andropogon perangustatus</i> CS: clay-based Carolina bays, upland depressions (Brunswick, Carteret, Columbus, Cumberland, Harnett, Hoke, Moore, Onslow, Richmond, Sampson, Scotland)	Narrowleaf Bluestem	W1	-	S2S3	G3G4
<i>Andropogon tracyi</i> SCP: sandhills, other dry soils (Gates*, Granville*, Harnett*, Hoke, Johnston*, Moore, Richmond, Scotland*)	Tracy's Bluestem	W7	-	S2	G4?
<i>Andropogon virginicus var. decipiens</i> C: pinelands and disturbed areas (Bertie*, Bladen*, Dare*, Duplin*, Hyde, Martin*, Nash*, Onslow, Pender)	Deceptive Bluestem	W7	-	S1S2	G5T4
<i>Anemone minima</i> M: forests, openings (Burke)	Dwarf Thimble-weed	W3	-	S2?	G5T3
<i>Angelica atropurpurea</i> M: roadsides (Haywood*)	Purple-stem Angelica	W4	-	S2S3	G5
<i>Antennaria howellii ssp. petaloidea</i> M: habitat in North Carolina not known (Rutherford)	A Pussytoes	W7	-	S1?	G5T3T5
<i>Anthaeantia rufa</i> CS: savannas (Bladen, Brunswick, Carteret, Columbus, Craven,	Purple Silkscale	W1	-	S2	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W1	U.S. -	Rank N.C. S2	Global
Cumberland, Duplin*, Jones, Moore, New Hanover*, Onslow, Pender) <i>Arabidopsis lyrata</i> CM: around calcareous or mafic rock outcrops (Alleghany*, Ashe, Avery, Buncombe*, Caldwell, Jackson, Jones*, Madison, McDowell*, Watauga*)	Lyre-leaved Rockcress			S2	G5
<i>Aristida spiciformis</i> C: habitat in North Carolina not known	Spike Three-awn	W3	-	SNR	G4
<i>Aronia prunifolia</i> M: bogs, seepages, and swamp forests (Ashe, Avery, Jackson, Macon, McDowell, Watauga)	Purple Chokeberry	W1	-	S2	G4G5Q
<i>Asclepias longifolia</i> CS: savannas and sandhill seeps (Brunswick, Carteret*, Columbus, Cumberland*, Dare*, Johnston, Onslow, Pender, Pitt)	Longleaf Milkweed	W1	-	S2S3	G4G5
<i>Asclepias tomentosa</i> SC: sandhills (Bladen, Cumberland, Harnett, Hoke, Lee, Moore, Richmond, Sampson, Scotland*)	Sandhills Milkweed	W1	-	S3	G4
<i>Asplenium resiliens</i> MP: calcareous rock outcrops (Avery, Haywood, Jackson*, Macon*, Madison, McDowell, Rutherford*, Stanly*, Swain*, Transylvania, Yadkin)	Blackstem Spleenwort	W1	-	S2	G5
<i>Athyrium angustum</i> M: rock outcrops and forests at high elevations (Avery*)	Northern Lady Fern	W3	-	SNR	G5T5
<i>Baccharis angustifolia</i> CT: brackish marshes, shrubby marsh edges (Brunswick, Carteret, Currituck, Dare, Hyde, New Hanover, Onslow, Pender)	Saltwater False-willow	W1	-	S2	G4
<i>Bartonia paniculata</i> ssp. <i>paniculata</i> SC: wet savannas, sandhill seeps, other open wet areas (Brunswick*, Carteret, Craven, Duplin*, Gates*, Moore, New Hanover, Pender, Scotland, Wake*)	Twining Screwstem	W1	-	S2S3	G5T5
<i>Bartonia verna</i> C: savannas, limesink ponds (Bladen*, Brunswick, Carteret, New Hanover*, Onslow, Pender)	White Screwstem	W1	-	S2	G5?
<i>Bigelowia nudata</i> ssp. <i>australis</i> C: wet depressions and limesink ponds (Carteret)	Rayless-goldenrod	W7	-	S1	G5T4T5
<i>Boechera burkii</i> M: dry, rocky calcareous areas and shale barrens (Madison*)	Porter's Rockcress	W7	-	SH	G5T3T5
<i>Boykinia aconitifolia</i> M: stream banks, meadows, and seepage slopes (Alleghany, Ashe, Avery, Burke, Jackson*, Macon, Mitchell*, Transylvania*, Wilkes*)	Brook Saxifrage	W7	-	S3	G4
<i>Bromus latiglumis</i> M: river floodplains (Alleghany, Jackson)	Riverbank Brome	W7	-	S1	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S. -	Rank N.C.	Global
<i>Bromus nottowyanus</i> P: rich woods (Rockingham*, Surry*)	Nottoway Valley Brome	W7	-	S1?	G3G5
<i>Burmannia biflora</i> CS: limesinks, cypress savannas, and sandhill seeps (Beaufort*, Bladen, Brunswick, Carteret, Cumberland, Dare*, Harnett*, Hoke, Moore, New Hanover*, Onslow, Pender, Pitt, Scotland)	Northern Bluethreads	W1	-	S2S3	G4G5
<i>Calamovilfa brevipilis</i> CS: savannas, sandhill seeps (Brunswick, Carteret, Columbus*, Craven, Cumberland, Duplin*, Harnett, Hoke, Johnston*, Montgomery, Moore, Nash, New Hanover, Onslow, Pender, Pitt, Richmond, Sampson*, Scotland)	Pinebarren Sandreed	W1	-	S3	G4
<i>Calycanthus floridus var. floridus</i> PM: mesic to dry forests (Alexander*, Avery*, Cherokee*, Davidson, Durham*, Jackson*, Randolph, Stanly*, Stokes*, Transylvania*)	Eastern Sweetshrub	W7	-	S2?	G5T4
<i>Calystegia catesbeiana</i> No habitat information	Catesby's Bindweed	W1	-	S3	G3
<i>Calystegia spithamea ssp. purshiana</i> M: shale barrens and woodlands	Shale Barren Bindweed	W1	-	S2S3	G4G5T4
<i>Carex albursina</i> M: rich cove forests, over mafic or calcareous rocks (Ashe, Buncombe, Graham, Haywood*, Macon, Madison*, Mitchell*, Rutherford, Transylvania, Yancey)	White Bear Sedge	W7	-	S2	G5
<i>Carex biltmoreana</i> M: cliffs, outcrops, and granitic domes (Buncombe, Haywood, Henderson, Jackson, Macon, McDowell, Polk, Rutherford, Transylvania)	Biltmore Sedge	W1	-	S3	G3
<i>Carex bromoides ssp. montana</i> M: bogs, moist areas along streams, seepages in coves (Ashe, Avery*, Buncombe*, Haywood, Rutherford*, Transylvania, Watauga)	Blue Ridge Brome Sedge	W7	-	S3?	G5T3?
<i>Carex chapmanii</i> C: moist bottomlands and slopes, perhaps associated with marl (Bladen*, Brunswick*, Carteret, Columbus, Craven, Gates, Jones, New Hanover*, Onslow, Pender)	Chapman's Sedge	W1	-	S3	G3
<i>Carex collinsii</i> SM: white cedar swamps, bogs (Cumberland, Harnett, Henderson, Hoke, Lee, Moore, Richmond, Scotland, Transylvania)	Collins's Sedge	W1	-	S3	G4
<i>Carex echinata ssp. echinata</i> M: bogs and seeps (Alleghany, Ashe, Avery, Clay, Henderson, Jackson, Macon, Transylvania, Watauga, Wilkes*)	Star Sedge	W1	-	S2S3	G5T5
<i>Carex festucacea</i>	Fescue Sedge	W7	-	S2?	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
MP: piedmont swamp forests, bogs, upland depression swamps (Alamance*, Ashe, Caswell*, Montgomery*, Orange*, Rockingham*, Stokes*)					
<i>Carex gholsonii</i>	Gholson's Sedge	W7	-	S1S2	G4G5
C: along creeks and springs (Craven, Jones, Pender)					
<i>Carex granularis</i>	Limestone Meadow Sedge	W7	-	S1?	G5
PC: piedmont bottomlands, coastal plain marl forests (Bladen*, Caswell*, Craven*, Durham*, Granville*, Guilford*, Jones, Mecklenburg*, Orange*, Pender, Person*, Rowan*, Stokes*, Wilson*)					
<i>Carex hyalinolepis</i>	Shoreline Sedge	W1	-	S2	G4G5
CS: marshes (Beaufort*, Brunswick, Carteret, Craven, Hyde*, New Hanover, Perquimans*, Richmond, Warren*)					
<i>Carex leavenworthii</i>	Leavenworth's Sedge	W7	-	S1	G5
PM: dry woods (Durham*, Lee, Madison*, Randolph*, Richmond, Rutherford, Warren*)					
<i>Carex lucorum var. austrolucorum</i>	Appalachian Woodland Sedge	W7	-	S2?	G4T3?
M: medium to high elevation forests, especially over calcareous or mafic rocks (Alleghany, Ashe, Buncombe*, Clay*, Jackson, Macon*, Swain*, Transylvania*, Watauga*)					
<i>Carex manhartii</i>	Manhart's Sedge	W1	-	S3	G3G4
M: rich cove forests (Ashe, Avery, Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Swain, Transylvania)					
<i>Carex mitchelliana</i>	Mitchell's Sedge	W1	-	S2	G4
CMPS: swampy woodlands and forests (Alleghany, Anson*, Beaufort*, Brunswick, Carteret, Cherokee*, Clay, Craven, Cumberland, Dare*, Gaston*, Harnett*, Hoke, Iredell*, Jones, Lenoir*, Moore, New Hanover, Pasquotank*, Pender, Richmond, Scotland*, Stokes*, Tyrrell*)					
<i>Carex oklahomensis</i>	Oklahoma Sedge	W7	-	S1	G4
M: seeps (Graham)					
<i>Carex physorhyncha</i>	Bellow's-beak Sedge	W1	-	S2S3	G5T5
CP: somewhat shaded dry to mesic woods (Beaufort*, Caldwell, Catawba*, Chatham*, Columbus, Cumberland, Duplin, Edgecombe, Forsyth, Halifax, Harnett, Jones, Mecklenburg*, Montgomery*, Moore, Northampton*, Orange*, Richmond, Vance*, Wake*, Washington, Wilkes)					
<i>Carex ruthii</i>	Ruth's Sedge	W1	-	S3	G3
M: seeps and bogs (Ashe, Avery, Buncombe*, Clay*, Graham*, Haywood, Jackson*, Macon,					

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
Mitchell*, Swain*, Transylvania*, Watauga, Yancey*)					
<i>Carex sparganioides</i> MP: rich cove forests (Alleghany*, Ashe*, Jackson*, Macon, Madison*, Mitchell*, Randolph*)	Bur-reed Sedge	W7	-	S2?	G5
<i>Carex tenera</i> P: low woods (Anson*, Caswell*, Davie*, Durham*, Moore, Richmond, Warren*)	Quill Sedge	W7	-	S1?	G5
<i>Carex turgescens</i> S: seepage bogs (Cumberland, Harnett, Hoke, Moore, Richmond, Scotland)	Pinebarren Sedge	W1	-	S3	G4G5
<i>Celtis occidentalis</i> CMP: rocky woodlands and mafic cliffs (Buncombe*, Burke, Haywood, Jackson*, Macon*, Madison, McDowell, Polk, Rutherford, Swain*, Warren*, Yancey*)	Mountain Hackberry	W7	-	S2	G5
<i>Cerastium nutans</i> MP: alluvial forests, bottomlands, moist forests (Ashe*, Buncombe, Clay, Mitchell, Rockingham*, Transylvania)	Nodding Chickweed	W7	-	S3?	G5
<i>Ceratophyllum echinatum</i> CST: pools, lakes, and estuaries (Beaufort*, Brunswick*, Dare*, Perquimans*, Richmond, Wayne*)	Prickly Hornwort	W7	-	S2	G4?
<i>Chasmanthium sessiliflorum</i> CMP: hardwood forests (Anson, Bertie*, Bladen, Brunswick*, Craven*, Cumberland, Davidson, Gates*, Graham, Harnett, Jones, Martin, Montgomery, Moore, Onslow, Pender, Richmond, Rowan, Stanly)	Longleaf Spikegrass	W1	-	S2S3	G5
<i>Chrysopogon pauciflorus</i> C: sandhills (New Hanover*)	Goldenbeard	W4	-	S1	G4G5
<i>Chrysopsis scabrella</i> S: sandhills (Moore*)	Rough Golden-aster	W3	-	SNR	G4
<i>Chrysopsis trichophylla</i> C: xeric sandhills and sandhill scrub (Bladen, New Hanover, Pender, Sampson)	Naked Golden-aster	W7	-	S2	G5T5
<i>Chrysosplenium americanum</i> M: seeps (Ashe, Avery, Haywood, Jackson, Macon, Madison*, Mitchell, Polk*, Swain, Transylvania, Watauga*, Wilkes*, Yancey)	Golden Saxifrage	W1	-	S3	G5
<i>Cinna latifolia</i> M: high elevation forests and openings (Buncombe*, Graham, Haywood*, Macon*, Mitchell*, Swain*, Watauga*, Yancey*)	Slender Wood-reed	W7	-	S1S2	G5
<i>Cladrastis kentukea</i> M: forests (Cherokee*, Clay, Graham*, Haywood, Macon, Madison, Swain*)	Yellowwood	W7	-	S2S3	G4
<i>Cleistes bifaria</i> MPC: savannas, dry meadows (Brunswick, Buncombe*, Burke,	Small Spreading Pogonia	W1	-	S2	G4?

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W1	U.S. -	Rank N.C. S3	Global
Carteret, Catawba, Cherokee*, Cleveland, Craven, Graham, Harnett*, Henderson*, Hoke, Madison*, McDowell, New Hanover, Onslow, Robeson*, Rutherford, Scotland*, Transylvania)					
<i>Cleistes divaricata</i>	Spreading Pogonia	W1	-	S3	G4
C: pine savannas (Brunswick, Carteret, Columbus, Hoke, Moore, Onslow, Pender)					
<i>Coelorachis rugosa</i>	Wrinkled Jointgrass	W1	-	S3	G5
CS: limesink ponds, clay-based Carolina bays, wet savannas (Brunswick, Columbus, Craven, Cumberland*, Dare*, Harnett*, Hoke, Moore*, New Hanover, Onslow, Pender, Richmond, Robeson, Sampson, Scotland)					
<i>Comptonia peregrina</i>	Sweet Fern	W1	-	S3	G5
CMPS: open dry sites, often fire-maintained (Alleghany, Burke, Caldwell, Henderson, Hoke, Johnston*, Lee*, McDowell*, Moore, Transylvania, Wake*)					
<i>Corallorrhiza maculata</i>	Spotted Coral-root	W1	-	S2	G5
M: moist forests, northern hardwood forests (Ashe*, Avery*, Buncombe*, Burke*, Clay*, Haywood*, Henderson*, Jackson*, Macon*, McDowell, Mitchell*, Transylvania*, Watauga*, Yancey)					
<i>Corallorrhiza odontorhiza</i>	Autumn Coral-root	W7	-	S4?	G5
CMP: forests (Buncombe*, Burke, Carteret*, Catawba*, Davie*, Durham*, Harnett, Jackson*, Madison*, Mecklenburg*, New Hanover*, Orange, Polk*, Surry*, Swain*)					
<i>Coreopsis delphiniifolia</i>	Larkspur Coreopsis	W3	-	SNR	G3?Q
P: dry woodlands					
<i>Coreopsis latifolia</i>	Broadleaf Coreopsis	W1	-	S3	G3
M: cove forests and other rich woods (Avery, Buncombe, Caldwell, Haywood, Henderson, McDowell, Mitchell, Polk, Rutherford, Yancey)					
<i>Coreopsis pubescens</i> var. <i>robusta</i>	Blue Ridge Coreopsis	W7	-	S2?	G5?T3?
MP: rich woodlands, glades, outcrops (Alleghany*, Ashe*, Cherokee*, Clay*, Haywood*, Iredell*, Jones*, Macon, Polk*, Rutherford, Watauga*)					
<i>Crataegus aestivalis</i>	May Hawthorn	W1	-	S2	G5
C: swamp forests (Brunswick*, Columbus*, Craven*, Duplin, Onslow*, Pender, Sampson, Wayne*)					
<i>Crataegus schuettei</i>	Schuette's Hawthorn	W1	-	S2?	G5?
M: mesic hardwood forests (Graham, Macon)					
<i>Crataegus spathulata</i>	Littlehip Hawthorn	W1	-	S1S2	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
CPM: bottomlands (Ashe, Bladen*, Columbus, Cumberland, Davidson, Macon*, Stanly) <i>Cuthbertia rosea</i> P: dry woodlands (Cleveland*, Rutherford)	Roseling	W7	-	S1?	G5
<i>Cymophyllum fraserianus</i> M: forests (Alleghany*, Ashe, Avery, Caldwell, Clay, Graham, Haywood*, Jackson, Macon, McDowell*, Mitchell*, Swain, Watauga, Wilkes, Yancey*)	Fraser's Sedge	W1	-	S3	G4
<i>Cynanchum laeve</i> C: bottomlands and disturbed areas (Bertie, Halifax*, Northampton*, Warren*)	Smooth Swallowwort	W7	-	S1	G5
<i>Cyperus distans</i> C: marshes (New Hanover*)	A Flatsedge	W4	-	SH	G5
<i>Cyperus squarrosus</i> P: granite flatrocks, other rock outcrops (Durham*, Franklin*, Rowan*)	Awned Flatsedge	W7	-	S2	G5
<i>Cypripedium reginae</i> M: the only specimen from NC is from an implausible habitat for the species (highly acid humus under rhododendron) (Jackson*)	Showy Ladyslipper	W4	-	SNA	G4
<i>Cystopteris bulbifera</i> MP: calcareous rocks (Avery, Buncombe, Madison, McDowell, Orange, Swain*, Transylvania)	Bulblet Bladder Fern	W7	-	S1S2	G5
<i>Dalea pinnata</i> SC: sandhills and dryish pinelands (Bladen, Cumberland, Harnett*, Hoke, Lenoir*, Moore*, Pender, Richmond, Robeson*, Sampson, Scotland, Wayne*)	Eastern Prairie-clover	W1	-	S2	G5
<i>Dendrolycopodium hickeyi</i> M: openings, balsds, bog margins, and high elevation forests (Alleghany, Burke*, Haywood, Macon*, Mitchell, Transylvania)	Pennsylvania Ground-pine	W7	-	S2?	G5
<i>Desmodium cuspidatum</i> var. <i>cuspidatum</i> CPM: roadsides and wooded banks of rivers and streams (Avery*, Brunswick*, Clay*, Gaston*, Guilford*, Henderson*, Jones*, Madison*, Mitchell*)	Large-bract Tick-trefoil	W7	-	S2?	G5T5?
<i>Desmodium pauciflorum</i> PC: rich forests and bottomlands (Anson, Cabarrus*, Caswell*, Chowan*, Craven*, Hertford*, Iredell*, Johnston, Jones, Mecklenburg*, Northampton*, Person, Pitt*, Richmond, Rockingham, Wake, Warren)	Few-flower Tick-trefoil	W7	-	S2?	G5
<i>Diamorpha smallii</i> PM: granite flatrocks (Alexander, Anson, Forsyth*, Franklin, Gaston, Granville, Henderson*, Iredell*, Nash*, Rowan, Rutherford, Wake, Yadkin*)	Elf Orpine	W1	-	S3	G4

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<i>Dichanthelium dichotomum</i> var. <i>roanokense</i> CS: savannas, open swampy woods, wet peaty meadows (Bladen, Brunswick, Columbus, Dare*, Hyde*, Moore, Pender)	Roanoke Witch Grass	W1	-	S2	G5T4?
<i>Dichanthelium erectifolium</i> C: pond shores (Bladen, Brunswick, Columbus, Hoke, New Hanover, Onslow, Robeson, Sampson, Scotland)	Erectleaf Witch Grass	W1	-	S2	G4
<i>Dichanthelium latifolium</i> M: forests (Ashe, Avery*, Caldwell*, Haywood*, Henderson*, Jackson*, Macon*, Swain*, Transylvania, Watauga*)	Broadleaf Witch Grass	W7	-	S2	G5
<i>Dichanthelium linearifolium</i> PM: dry open woods and rock outcrops (Durham*, Gaston*, Macon*, Rockingham)	Low White-haired Witch Grass	W7	-	S1?	G5
<i>Dichanthelium oligosanthes</i> var. <i>scribnorianum</i> C: calcareous, coastal-fringe forests (Beaufort, Brunswick, Carteret, Craven, Onslow)	Scribner's Witch Grass	W7	-	S1?	G5T5
<i>Dichanthelium ovale</i> var. <i>ovale</i> C: dry to damp, sandy pinelands (Brunswick*, Carteret, Gates*, Pender)	Elliott's Witch Grass	W1	-	S2S3	G5T5
<i>Dichanthelium</i> sp. 2 C: moist pine savannas and flatwoods (Brunswick, Carteret, Columbus, New Hanover, Onslow)	Webber's Witch Grass	W1	-	S3	GNR
<i>Diplazium pycnocarpon</i> MP: rich woods, usually over seepage (Alleghany, Ashe, Avery, Buncombe, Burke, Cherokee, Clay, Durham*, Forsyth, Graham, Haywood, Jackson, Macon, Madison, McDowell, Swain, Transylvania, Yancey)	Glade Fern	W1	-	S3?	G5
<i>Dirca palustris</i> PM: rich woods, either alluvial or over mafic or calcareous rocks (Anson*, Ashe, Burke, Caswell, Catawba, Chatham*, Clay*, Cleveland, Durham, Haywood, Jackson, Lee, Macon, Madison*, McDowell, Mecklenburg*, Moore, Person, Polk, Randolph, Rockingham, Rutherford, Stanly, Swain*, Wake)	Leatherwood	W1	-	S3	G4
<i>Dryopteris carthusiana</i> MCP: swampy woods (Cabarrus*, Camden*, Chowan*, Gates, Haywood*, Jackson*, Macon*, Mecklenburg*, Mitchell*, Perquimans, Yancey*)	Spinulose Woodfern	W7	-	S2	G5
<i>Dryopteris cristata</i> MCP: bogs, wet woods (Alamance*, Alleghany, Ashe, Avery, Camden*, Durham*, Gates*, Guilford, Haywood, Henderson*, Madison*, McDowell, Mecklenburg*,	Crested Woodfern	W1	-	S3	G5

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Mitchell*, Orange*, Person, Transylvania, Wake*, Watauga, Yancey)					
<i>Dryopteris goldiana</i> MP: rich, moist woods (Ashe, Buncombe, Burke, Cherokee, Clay, Graham, Haywood, Jackson, Macon, Madison, Mitchell*, Orange*, Swain, Transylvania, Watauga*, Yancey)	Goldie's Woodfern	W1	-	S3	G4
<i>Dryopteris ludoviciana</i> C: acid swamps (Brunswick*, Carteret, Chowan, Columbus*, Craven, Jones, New Hanover*, Onslow, Pender, Washington)	Southern Woodfern	W1	-	S2	G4
<i>Echinocystis lobata</i> M: alluvial forests (Alleghany*, Ashe, Watauga)	Wild Mock Cucumber	W7	-	S1	G5
<i>Elatine americana</i> M: the only known site for this species in NC is an artificial lake; it is uncertain whether it should be considered native or introduced (Burke, Jackson*)	American Waterwort	W4	-	SNA	G4
<i>Elatine minima</i> P: lakes (Granville)	Tiny Waterwort	W4	-	SNA	G5
<i>Eleocharis engelmannii</i> PCM: marshes (Alexander*, Henderson*, Hoke, Northampton*, Rowan*, Stanly*)	Englemann's Spikerush	W7	-	S1	G4G5Q
<i>Eleocharis equisetoides</i> C: limesink ponds (Bladen, Brunswick, Carteret, Columbus, Craven*, Cumberland, Harnett, Hoke, Moore, New Hanover*, Onslow, Randolph, Richmond, Scotland)	Horsetail Spikerush	W1	-	S3	G4
<i>Eleocharis erythropoda</i> MC: stream banks and marshes (Ashe*, Carteret*, Madison*)	Bald Spikerush	W7	-	S1	G5
<i>Eleocharis melanocarpa</i> C: clay-based Carolina bays, limesink ponds (Brunswick, Carteret, Cumberland, Johnston*, New Hanover, Onslow, Richmond, Sampson, Scotland, Wayne*)	Blackfruit Spikerush	W1	-	S3	G4
<i>Eleocharis smallii</i> M: open, wet places (Macon*)	Small's Spikerush	W3	-	S1	G5?
<i>Eleocharis tricostata</i> CP: bogs and savannas (Bladen, Brunswick, Carteret*, Cumberland, Dare*, Hoke, New Hanover, Northampton*, Onslow, Richmond, Robeson, Sampson, Scotland, Stanly*)	Three-angle Spikerush	W1	-	S2S3	G4
<i>Elodea canadensis</i> CPM: lakes, ponds, and stagnant waters of streams (Alleghany, Ashe, Craven*, Gates, McDowell*, Orange*, Perquimans*, Wake*, Watauga*)	Canada Waterweed	W7	-	S1?	G5
<i>Elodea nuttallii</i>	Nuttall's Elodea	W7	-	S2?	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
CPM: lakes, ponds, and streams (Avery*, Currituck*, Dare*, Franklin*, Haywood*, Jones*, McDowell*, Perquimans*, Tyrrell*, Wake*, Wilson*, Yancey*)					
<i>Elymus canadensis</i> M: rich woods (Buncombe*, Swain*)	Nodding Wild Rye	W7	-	S1	G5
<i>Elymus riparius</i> MP: riverbanks and low, rich woods (Alleghany, Ashe*, Avery*, Caldwell*, Macon, Madison*, Orange*, Swain, Watauga*)	Riverbank Wild Rye	W7	-	S1S2	G5
<i>Epilobium leptophyllum</i> MP: bogs and seeps (Alleghany, Ashe, Avery, Burke, Guilford*, Jackson, Macon, Madison, Mitchell, Watauga)	Narrowleaf Willowherb	W1	-	S3	G5
<i>Eragrostis frankii</i> P: open, disturbed sites (Granville*)	Frank's Lovegrass	W7	-	S1	G5
<i>Eragrostis lugens</i> P: open, wet areas (Mecklenburg*)	Mourning Lovegrass	W7	-	S1	G5
<i>Eryngia bulbosa</i> MP?: rich woods	Harbinger-of-spring	W3	-	SNR	G5
<i>Eriophorum virginicum</i> MSCP: peaty sites - bogs, fens, pocosins, seeps (Alleghany, Ashe, Bladen, Brunswick, Burke, Cumberland, Currituck*, Edgecombe*, Forsyth*, Harnett, Henderson*, Jackson, Macon*, Moore*, Richmond, Scotland*, Transylvania*, Tyrrell*, Watauga, Yancey*)	Cottongrass	W1	-	S3	G5
<i>Eryngium aquaticum</i> var. <i>ravenelii</i> C: wet flatwoods with a calcareous influence, ditches (Pender)	Marsh Eryngo	W7	-	S1	G4T2T4Q
<i>Eryngium yuccifolium</i> var. <i>synchaetum</i> C: wet savannas (Bladen*, Brunswick, Columbus, Onslow, Pender)	Southern Rattlesnake-master	W2	-	S2	G5T5
<i>Erythronium americanum</i> ssp. <i>americanum</i> P: rich slopes, levee forests, and bottomland forests (Burke, Durham, Harnett, Person, Richmond, Wake)	American Trout Lily	W7	-	S2?	G5T5
<i>Euonymus atropurpureus</i> PMC: levee forests and rich forests with circumneutral soils (Caswell, Cherokee*, Franklin, Guilford*, Halifax, Lee, Moore, Northampton, Orange*, Person, Polk, Rockingham*, Rutherford*, Stokes*, Swain*)	Eastern Wahoo	W7	-	S2	G5
<i>Eupatorium altissimum</i> P: woodlands, openings, and old fields over mafic rocks (Burke, Cabarrus, Chatham, Davidson*, Granville, McDowell, Mecklenburg, Moore, Person, Randolph, Rowan*, Wake*)	Tall Boneset	W1	-	S2	G5
<i>Eupatorium recurvans</i> C: wet savannas	Recurved Eupatorium	W7	-	S1?	G3G4Q
<i>Eupatorium sessilifolium</i> var. <i>brittonianum</i>	Britton's Eupatorium	W7	-	S1?	G5T3T5

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M: rocky woodlands over mafic rocks (Buncombe*, Burke, Macon, McDowell, Rutherford) <i>Eurybia surculosa</i>	Creeping Aster	W1	-	S3?	G4G5
M: rock outcrops, glades, rocky woodlands (Buncombe, Burke, Jackson, Macon, Madison, Transylvania) <i>Euthamia graminifolia</i>	Flattop Goldenrod	W7	-	S1	G5
M: sandy bottomlands and bogs (Buncombe, Burke, Henderson*, Rutherford) <i>Eutrochium maculatum var. maculatum</i>	Spotted Joe-pye Weed	W7	-	S3?	G5T5
M: wet calcareous meadows, cove forests, grassy balds (Ashe*, Avery*, Buncombe*, Haywood*, Jackson, Macon*, Mitchell, Polk*, Watauga*, Yancey*) <i>Eutrochium steelei</i>	Appalachian Joe-pye-weed	W7	-	S2?	G4
M: cove hardwood and northern hardwood forests (Ashe, Avery*, Cherokee, Graham, Haywood, Macon, Madison, Rutherford, Transylvania, Watauga, Yancey) <i>Fallopia scandens var. 1</i>	Climbing Buckwheat	W7	-	S2?	G5T5
PMC: moist forests, especially alluvial forests (Alexander*, Ashe, Burke, Granville*, Haywood*, Iredell*, Macon*, Onslow*, Orange*, Rutherford, Stokes*, Wake*, Wilkes*) <i>Fragaria vesca</i>	Woodland Strawberry	W4	-	S1	G5
M: rich forests (Watauga*) <i>Frangula caroliniana</i>	Carolina Buckthorn	W1	-	S3	G5
PMC: rich bottomlands and slopes (Beaufort*, Buncombe*, Burke, Cabarrus, Catawba, Cleveland*, Iredell*, Lincoln*, Madison*, McDowell, Mecklenburg, Polk, Rutherford, Union) <i>Galactia minor</i>	Little Milkpea	W1	-	S2?	G3?
S: sandy fields and roadsides (Hoke*) <i>Galium asprellum</i>	Rough Bedstraw	W7	-	S2	G5
M: bogs (Alleghany, Ashe, Avery, Haywood*, Watauga) <i>Galium lanceolatum</i>	Lanceleaf Wild Licorice	W7	-	S2	G5
M: rich cove forests (Ashe, Buncombe, Caldwell, Clay*, Graham, Haywood, Macon, Madison, Mitchell*, Watauga) <i>Gaultheria hispida</i>	Creeping Snowberry	W3	-	SH	G5
M: habitat in North Carolina not known <i>Gaylussacia bigeloviana</i>	Northern Dwarf Huckleberry	W7	-	S1	G5T4T5
MC: mountain bogs, moist mountain slopes at high elevations, in peat of large pocosins (Dare, Henderson, Jackson*, Macon*, Transylvania) <i>Geum fragarioides</i>	Northern Barren-strawberry	W1	-	S2S3	G5T5
P: forests and streambanks (Burke, Catawba) <i>Glandularia canadensis</i>	Rose Mock-vervain	W7	-	S1?	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W1	U.S. -	Rank N.C. S2S3	Global G5
CPS: sandhills, diabase glades, and other dry woods (Alamance*, Beaufort*, Brunswick*, Granville, Randolph*, Richmond*, Washington*)					
<i>Goodyera repens</i>	Lesser Rattlesnake Orchid	W1	-	S2S3	G5
MP: moist, acid forests, especially under rhododendrons and conifers (Ashe, Avery, Buncombe, Burke, Graham, Haywood, Macon*, Madison, Rutherford, Swain*, Transylvania, Watauga, Yancey)					
<i>Habenaria repens</i>	Water-spider Orchid	W1	-	S2	G5
CS: in stagnant, blackwater pools and impoundments (Bladen*, Brunswick, Carteret, Columbus, Cumberland, Dare, Duplin*, Hoke, Moore, New Hanover*, Pender*, Richmond, Scotland)					
<i>Helianthus longifolius</i>	Longleaf Sunflower	W7	-	S1?	G3
M: sandstone and granite glades and woodlands (Macon*)					
<i>Heteranthera reniformis</i>	Kidneyleaf Mud-plantain	W7	-	S2?	G5
CP: muddy shores, bars, pools (Bertie, Chowan, Davidson*)					
<i>Heuchera caroliniana</i>	Carolina Alumroot	W7	-	S3	G3
P: rich, rocky woods (Alexander*, Anson*, Burke, Cabarrus*, Cleveland, Davidson*, Forsyth*, Gaston*, Iredell*, Lincoln*, Mecklenburg*, Randolph*, Rockingham, Rowan*, Rutherford, Stanly*, Stokes*, Surry*, Union*)					
<i>Heuchera longiflora</i>	Long-flower Alumroot	W7	-	S2	G4
M: rich and rocky cove forests, especially over calcareous or mafic rocks (Buncombe, Haywood*, Madison*)					
<i>Heuchera parviflora</i> var. <i>parviflora</i>	Grotto Alumroot	W1	-	S2S3	G4T4
MP: in deep shade under overhanging cliffs (Avery, Buncombe, Burke, Haywood, Henderson*, Jackson, Macon*, McDowell, Polk*, Rutherford, Stokes, Surry*, Transylvania)					
<i>Hexastylis lewisi</i>	Lewis's Heartleaf	W1	-	S3	G3
PSC: mesic mixed hardwood forests, streamhead pocosin ecotones (Bladen, Burke, Chatham, Cumberland*, Duplin*, Durham, Granville, Halifax, Harnett, Johnston, Lenoir*, Nash, Orange, Pender, Person, Sampson, Vance, Wake)					
<i>Houstonia purpurea</i> var. <i>calycosa</i>	Summer Bluet	W7	-	S2?	G5T5
MP: rocky forests, often dry (Burke, Jackson, Macon, Madison)					
<i>Humulus lupulus</i> var. <i>lupuloides</i>	Hops	W4	-	S1	G5T5
CP: habitat in North Carolina not known (Randolph*, Rockingham*, Stokes*, Wake*)					
<i>Humulus lupulus</i> var. <i>pubescens</i>	Hops	W4	-	S1	G5T4?

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W1	U.S. -	Rank N.C. S3	Rank Global G4G5
P: bottomlands (Randolph*, Rockingham*, Stokes*) <i>Huperzia appressa</i>	Appalachian Fir-clubmoss				
M: high elevation rocky summits, seeps, fens (Ashe, Avery, Buncombe, Haywood, Jackson, Macon, McDowell, Mitchell, Rutherford, Transylvania, Watauga, Yancey) <i>Hydrangea cinerea</i>	Ashy Hydrangea	W7	-	S2	G4
M: shady ledges and cliffs, upslope of alluvial forests (Cherokee*, Clay*, Cleveland, Henderson, Jackson*, Macon*, McDowell, Polk, Rutherford, Swain*) <i>Hypericum buckleyi</i>	Blue Ridge St. John's-wort	W1	-	S3	G3
M: high elevation rocky summits, granitic domes, grassy balds (Clay, Haywood, Jackson, Macon, Transylvania) <i>Hypericum ellipticum</i>	Pale St. John's-wort	W3	-	SNR	G5
M: habitat in North Carolina not known <i>Hypericum graveolens</i>	Mountain St. John's-wort	W1	-	S2S3	G3
M: high elevation balds, outcrops, seeps (Buncombe*, Haywood, Jackson, McDowell*, Mitchell, Swain*, Transylvania, Yancey*) <i>Hypericum mitchellianum</i>	Mitchell's St. John's-wort	W1	-	S2S3	G3
Ilex ambigua CMPS: sandy woods (Alleghany*, Avery, Beaufort*, Bertie, Brunswick, Burke, Caldwell, Catawba, Columbus, Cumberland, Gaston, Graham, Henderson, Hoke, Jackson, Madison, McDowell, Moore, Orange, Richmond, Robeson, Rowan, Rutherford, Scotland, Stokes*, Surry*, Swain, Transylvania) <i>Ilex cassine</i> var. <i>cassine</i>	Carolina Holly	W1	-	S3	G5
C: blackwater swamps and pocosins (Brunswick, Carteret, Columbus, New Hanover) <i>Ipomoea macrorhiza</i>	Dahoon	W1	-	S2	G5T5
TC: low marshy places, dunes (Brunswick*) <i>Ipomoea pes-caprae</i>	Manroot	W7	-	S1?	G3G5
T: ocean beaches (Carteret) <i>Ipomopsis rubra</i>	Railroad Morning-glory	W4	-	S1	G5
SC: sandy soils (Cumberland*, Harnett*, Moore, Richmond, Robeson, Scotland) <i>Iresine rhizomatosa</i>	Standing Cypress	W7	-	S1S2	G4G5
TC: low wet places, interdune swales, damp woods, edges of brackish marshes (Brunswick, Carteret, Cumberland, Dare, New Hanover, Onslow, Pender*, Sampson*) <i>Rootstock Bloodleaf</i>		W1	-	S2S3	G5

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<i>Isoetes hyemalis</i> CPS: beds of blackwater and other streams (Brunswick*, Columbus, Duplin*, Harnett, Johnston*, Moore*, Orange, Pender, Sampson*, Scotland)	Winter Quillwort	W7	-	S2S3	G2G3
<i>Isotria verticillata</i> CMPS: forests (Alleghany, Ashe*, Bertie*, Buncombe*, Burke*, Caldwell, Carteret, Catawba*, Cherokee, Cumberland, Gates*, Graham, Greene*, Guilford*, Harnett*, Haywood*, Henderson, Hertford*, Macon, Madison*, Montgomery*, Moore, Orange*, Polk*, Randolph, Richmond, Rowan*)	Large Whorled Pogonia	W1	-	S2S3	G5
<i>Juncus brachycarpus</i> PC: wet sandy soil (Chatham*, Duplin*, Durham*, Granville*, Hertford*, Hyde*, Iredell*, Montgomery*, Nash*, Northampton*, Orange*, Stanly*, Union*, Wake*)	Whiteroot Rush	W7	-	S2?	G4G5
<i>Juncus brevicaudatus</i> M: bogs and seeps at high elevations (Clay*, Haywood*, Jackson*, Swain*, Transylvania*, Watauga*, Yancey*)	Mountain Rush	W7	-	S1?	G5
<i>Juncus georgianus</i> P: shallow depressions in granitic flatrocks and domes (Alexander, Franklin*, Gaston, Rowan*)	Georgia Rush	W7	-	S1?	G4
<i>Juncus longii</i> CMP: wet, clayey soil (Cumberland, Dare*, Graham*, Harnett, Henderson, Hoke, Iredell*, Jackson*, Lee*, McDowell, Montgomery, Moore, Rutherford, Union*, Wayne*)	Long's Rush	W7	-	S1	G3Q
<i>Juncus secundus</i> PM: rock outcrops (Alexander, Alleghany*, Burke, Caswell*, Davie*, Forsyth*, Franklin*, Gaston*, Granville*, Madison*, Mitchell*, Orange*, Person*, Rockingham*, Wake*)	Nodding Rush	W7	-	S1S2	G5?
<i>Juncus torreyi</i> M: bogs (Clay*)	Torrey's Rush	W3	-	SNR	G5
<i>Kalmia cuneata</i> CS: low and high pocosins, streamhead pocosins, and ecotones (Bladen, Cumberland, Hoke, Moore, Pender, Richmond, Scotland)	White Wicky	W1	-	S3	G3
<i>Krigia biflora</i> MP: rich mesic woods (Ashe, Avery*, Buncombe*, Caldwell*, Chatham*, Clay, Graham*, Haywood*, Transylvania*)	Two-flower Cynthia	W7	-	S2?	G5
<i>Lathyrus palustris</i> C: bottomlands, streambanks and marshes (Beaufort*, Chowan*,	Marsh Peavine	W7	-	S2?	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W7	U.S. -	Rank N.C. S2S3	Global G5
Gates, Hertford, Martin*, Washington*) <i>Lathyrus venosus</i> PM: rich bottomlands and rocky slopes, generally over mafic rocks (Buncombe, Burke, Catawba, Cleveland, Durham, Graham, Granville*, Haywood*, Macon*, Madison, Montgomery, Moore, Orange*, Richmond, Wake*, Watauga*, Wilkes*)	Smooth Peavine				
<i>Lespedeza frutescens</i> CSP: woodlands and woodland borders (Craven, Montgomery, Orange, Randolph, Richmond, Stanly)	Violet Lespedeza	W7	-	S2?	G5
<i>Leucospora multifida</i> C: sandy margins of ponds and wetlands (Carteret)	Cliff Conobeia	W4	-	SNA	G5
<i>Liatris scariosa</i> M: rock outcrops, glades, dry woodlands; mostly over mafic rocks? (Cherokee+, Clay, Haywood+, Henderson+, Jackson+, Macon+, Swain+)	New England Blazing-star	W7	-	S2	G5?
<i>Liatris secunda</i> SC: sandhills (Anson*, Bladen, Brunswick*, Hoke, New Hanover, Pender, Richmond, Scotland, Wake)	Sandhill Blazing-star	W7	-	S2	G4G5
<i>Lilium superbum</i> var. 1 C: blackwater swamps (Chowan, Gates, Nash*)	Blackwater Turk's Cap Lily	W2	-	S1	G5T1T3Q
<i>Lindernia monticola</i> PM: seepages on granitic flatrocks and other rock outcrops (Alexander, Cherokee*, Forsyth*, Franklin, Gaston, Granville, Henderson, Nash*, Rowan*, Rutherford, Stokes*, Wake, Yadkin*)	Flatrock Pimpernel	W1	-	S2	G4
<i>Listera australis</i> CM: moist hardwood forest, swamps, wet woods with acidic soils (Avery*, Beaufort, Bertie, Bladen, Brunswick, Columbus, Craven*, Dare, Gates*, Halifax, Henderson, Hoke, Hyde, Jones, Moore, Onslow, Pender, Richmond, Robeson, Sampson, Transylvania*, Tyrrell, Washington, Wayne)	Southern Twayblade	W1	-	S3	G4
<i>Listera cordata</i> var. <i>cordata</i> M: habitat in North Carolina not known (Avery*)	Heartleaf Twayblade	W3	-	SH	G5T5
<i>Lobelia</i> sp. 1 SC: white cedar swamps, seepages along blackwater streams (Cumberland, Hoke, Moore, Richmond, Scotland)	Cedar Swamp Lobelia	W1	-	S3	G3
<i>Lonicera flava</i> MP: thin soils around rock outcrops, mainly mafic (Buncombe, Burke, Henderson, Jackson, McDowell, Polk, Rutherford)	Yellow Honeysuckle	W1	-	S3	G5?

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<i>Luzula multiflora</i> MP: moist woods (Burke*, Caldwell, Durham, Jackson, Macon, Madison*, Stokes*)	Heath Woodrush	W7	-	S2?	G5
<i>Lycopodiella prostrata</i> C: wet savannas (Bladen*, Brunswick, Columbus*, Onslow, Pender, Richmond)	Featherstem Clubmoss	W7	-	S2?	G5
<i>Lycopus amplexens</i> CSM: clay-based Carolina bays, other wet places (Cumberland*, Henderson*, Hoke, Moore, Pender, Richmond, Robeson, Scotland)	Clasping Bugleweed	W1	-	S2	G5
<i>Lycopus cokeri</i> SC: streamhead pocosins, sandhill seeps, clay-based Carolina bays, savannas (Cumberland, Harnett, Hoke, Moore, Richmond, Sampson*, Scotland, Wayne)	Coker's Bugleweed	W1	-	S3	G3
<i>Lysimachia loomisii</i> C: pine savannas and pocosins (Beaufort*, Brunswick*, Carteret, Columbus*, Craven, Cumberland, Duplin, Johnston*, Jones, Lenoir*, Martin*, Onslow, Pamlico, Pender*, Robeson*, Wayne*)	Loomis's Loosestrife	W1	-	S3	G3
<i>Lysimachia quadriflora</i> P: wet meadows, streambanks (Rutherford)	Smooth Loosestrife	W3	-	SNR	G5?
<i>Magnolia acuminata</i> var. <i>subcordata</i> P: moist slopes (Anson*, Montgomery*, Moore*)	Piedmont Cucumber-tree	W7	-	S1?	G5T3Q
<i>Magnolia grandiflora</i> C: mainland forests with maritime influence on the southeastern coast of North Carolina; introduced elsewhere (Brunswick, Carteret, Jones*, New Hanover*, Pender+)	Southern Magnolia	W7	-	S1	G5
<i>Manfreda virginica</i> PMCS: granite flatrocks, mafic glades, dry outcrops, dry woodlands (Anson, Burke, Cabarrus, Cherokee*, Clay*, Cleveland*, Cumberland*, Granville, Iredell*, Mecklenburg, Montgomery, Orange*, Randolph, Richmond, Rowan*, Stanly, Union*)	Eastern Agave	W1	-	S3	G5
<i>Matelea flavidula</i> P: habitat in North Carolina not known (Person*)	Yellow Carolina Milkvine	W3	-	SNR	G4?
<i>Mertensia virginica</i> PCM: rich forests on slopes and bottomlands (Alamance, Bertie*, Caswell, Halifax, Person, Rockingham*, Watauga*)	Virginia Bluebells	W7	-	S2	G5
<i>Micranthes careyana</i> M: seepy rock faces (Ashe*, Avery*, Buncombe, Burke, Cleveland, Graham*, Haywood, Henderson*, Macon*, Madison, Mitchell*, Polk, Rutherford, Swain*, Watauga*, Yancey*)	Carey Saxifrage	W7	-	S3	G3
<i>Muhlenbergia mexicana</i>	Mexican Muhly	W7	-	S1	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W7	U.S. -	Rank N.C. S1S2	Global G5
M: forests and openings (Ashe, Buncombe*, Macon*, Mitchell*, Rutherford)					
<i>Muhlenbergia sylvatica</i>	Woodland Muhly				
PM: rich alluvial forests (Avery*, Durham*, Forsyth*, Franklin*, Gaston*, Granville*, Montgomery*, Orange*, Person*, Rutherford, Swain*)		W7	-	S1S2	G5
<i>Najas gracillima</i>	Slender Water nymph				
CPM: pools and lakes (Avery*, Buncombe*, Chowan*, Forsyth*, Iredell*, Jackson*, Madison*, McDowell*, Orange*, Randolph*, Wake*, Washington*)		W7	-	S2	G5?
<i>Nelumbo lutea</i>	American Lotus				
CPS: ponds, slow streams, natural lakes, estuarine rivers (Anson, Bertie*, Columbus*, Craven, Halifax*, Johnston*, Perquimans*, Pitt, Richmond*, Robeson*, Stanly, Wake, Wilson*)		W7	-	S2	G4
<i>Nuphar sagittifolia</i>	Narrowleaf Cowlily				
CS: blackwater streams, rivers, and lakes (Beaufort*, Bladen, Brunswick*, Columbus, Cumberland, Duplin*, Harnett, Hoke, Jones*, Moore, Nash*, New Hanover, Pender, Pitt, Richmond, Robeson, Sampson, Scotland)		W1	-	S2	G5T2
<i>Nymphoides cordata</i>	Little Floating-heart				
S: blackwater streams and pools, Carolina bays, vernal pools (Cumberland*, Hoke, Moore, Richmond, Scotland)		W7	-	S1S2	G5
<i>Oenothera fruticosa</i> var. <i>unguiculata</i>	Southern Sundrops				
CP: wet clay savannas and glades (Brunswick, Carteret, Columbus, Franklin, Jones, Onslow, Pender)		W7	-	S2S3	G5TNR
<i>Onosmodium virginianum</i>	Virginia Marbleseed				
CTSP: sandhills, dry mafic sites, shell middens (Brunswick*, Burke, Catawba, Cleveland*, Cumberland, Durham*, Harnett, Hoke, Jones*, McDowell, Moore, Polk*, Richmond, Robeson*, Rutherford, Scotland, Wake*)		W1	-	S3	G4
<i>Ophioglossum crotalophoroides</i> var. <i>crotalophoroides</i>	Bulbous Adder's-tongue				
C: moist ditchbanks and grassy roadside flats (Beaufort*, Brunswick*, Carteret*, Craven*, Dare*, Hyde*, Martin*, Pamlico*, Washington*)		W7	-	SNR	G5T5
<i>Ophioglossum nudicaule</i>	Slender Adder's-tongue				
C: moist sandy flats (Brunswick*)		W7	-	S1?	G5
<i>Ophioglossum petiolatum</i>	Long-stem Adder's-tongue				
CT: maritime wet grasslands, moist ditchbanks, grassy roadside flats (Beaufort*, Brunswick*, Carteret, Craven*, Dare*, Washington*)		W7	-	S2?	G5
<i>Orbea lumenellum</i>	Lupine Scurfpea				
		W1	-	S3	G3G4

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
CS: sandhills (Bladen*, Craven, Cumberland*, Harnett, Hoke, Moore, Pamlico*, Richmond, Scotland)					
<i>Orbexilum pedunculatum</i> var. <i>pedunculatum</i>	Sampson's Snakeroot	W7	-	S1	G5T5?
MP: open woodlands (Catawba, Cherokee, Orange*, Transylvania*)					
<i>Panax trifolius</i>	Dwarf Ginseng	W1	-	S3	G5
MP: cove forests, northern hardwoods, other rich forests (Ashe, Buncombe, Caldwell*, Caswell, Cherokee, Clay, Durham, Graham, Haywood, Jackson, Macon, Orange, Rockingham*, Swain*, Wake, Watauga*)					
<i>Panicum tenerum</i>	Southeastern Panic Grass	W1	-	S3	G4
CST: wet savannas, sandhill seeps, limesink ponds (Brunswick, Carteret, Columbus, Moore*, New Hanover, Onslow, Sampson, Scotland)					
<i>Parietaria floridana</i>	Florida Pellitory	W4	-	SNR	G5
TC: shell middens, disturbed sites, maritime forests (Beaufort*, New Hanover*, Onslow)					
<i>Parietaria pensylvanica</i>	Pennsylvania Pellitory	W7	-	S2	G5
PMC: slopes and bottomlands, usually over calcareous or mafic rocks (Anson*, Bertie*, Buncombe*, Harnett, Haywood, Madison, Martin*, Mitchell*)					
<i>Paronychia fastigiata</i> var. <i>fastigiata</i>	Common Forked Whitlow-wort	W7	-	S1S2	G5T5
No habitat information					
<i>Paronychia montana</i>	Mountain Nailwort	W7	-	S1?	G4
MP: rocky slopes (Alexander, Cherokee*, Henderson*, McDowell, Rutherford, Transylvania*)					
<i>Parthenium integrifolium</i> var. <i>mabryanum</i>	Mabry's Wild Quinine	W1	-	S3	G5T3
SPC: savannas, pocosin edges, upland pine-oak woods (Bladen*, Craven*, Cumberland, Franklin*, Harnett, Hoke, Johnston*, Lee*, Moore, Richmond, Scotland, Union*, Wake*)					
<i>Paspalum bifidum</i>	Pitchfork Crown Grass	W1	-	S3	G5
SC: sandhills and savannas (Brunswick*, Craven, Cumberland, Harnett, Hoke, Jones*, Montgomery*, Moore, Richmond, Scotland)					
<i>Paspalum praecox</i>	Early Crown Grass	W1	-	S2S3	G4
CS: limesink ponds and savannas (Bertie*, Bladen*, Brunswick, Carteret, Columbus, Craven, Cumberland, Dare*, Harnett, Hoke, Lee*, Martin*, New Hanover, Onslow, Pamlico*, Pender, Richmond)					
<i>Paspalum pubiflorum</i>	Hairy-seed Crown Grass	W7	-	S1?	G5
MP: open areas (Haywood*, Madison*, Stokes*, Yadkin*)					
<i>Paxistima canbyi</i>	Canby's Mountain-lover	W4	-	SNA	G2

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M: rock outcrops (Mitchell*) <i>Pediomelum canescens</i>	Buckroot	W1	-	S3	G3G4
SC: sandhills (Bladen*, Brunswick, Cumberland, Harnett, Hoke, Moore, Richmond, Scotland) <i>Pellaea atropurpurea</i>	Purple-stem Cliff-brake	W1	-	S3	G5
MPC: limestone outcrops (Ashe, Buncombe, Cherokee, Forsyth*, Haywood*, Jackson, Jones*, Macon*, Madison, McDowell, Mitchell*, Rutherford, Swain, Transylvania, Wake*, Yadkin*) <i>Penstemon smallii</i>	Small's Beardtongue	W7	-	S3	G3
M: rock outcrops and thin forests (Ashe, Avery*, Buncombe, Burke*, Caldwell, Graham*, Haywood*, Henderson, Macon*, Madison*, McDowell, Mitchell*, Orange*, Polk*, Rutherford, Watauga) <i>Persea borbonia</i>	Upland Red Bay	W7	-	S2	G5
TC: sandy upland soils in maritime forests (Brunswick, Carteret, Columbus, Currituck, Dare, Hyde, Lenoir, New Hanover, Onslow, Pender, Washington) <i>Phaseolus sinuatus</i>	Sandhills Bean	W1	-	S3	G3?Q
SC: sandhills (Cumberland, Harnett, Hoke, Moore, Richmond, Scotland) <i>Philadelphus hirsutus</i>	Hairy Mock-orange	W1	-	S2	G5
MP: bluffs, cliffs, and rocky woods, mainly over mafic or calcareous rocks (Buncombe, Cleveland, Graham*, Madison, McDowell, Mitchell*, Polk, Rutherford) <i>Philadelphus inodorus</i>	Scentless Mock-orange	W1	-	S3	G4G5
MP: bluffs, cliffs, and rocky woods, mainly over mafic or calcareous rocks (Avery*, Bladen*, Buncombe*, Burke, Cabarrus*, Catawba, Cherokee*, Cleveland*, Forsyth*, Haywood, Iredell*, Madison, Orange, Polk, Randolph, Rutherford, Stanly, Swain*, Wilkes) <i>Phlox amplifolia</i>	Largeleaf Phlox	W1	-	S2	G3G5
M: hardwood forests on mafic rock (Buncombe*, Burke, Graham, Haywood*, Jackson, Macon, Madison, McDowell, Mitchell*, Rutherford, Swain, Watauga*, Yancey*) <i>Phlox divaricata ssp. divaricata</i>	Wild Blue Phlox	W7	-	S2	G5T3T5
M: rich deciduous forests (Burke, Henderson*, Madison*, Rutherford*, Swain, Transylvania*, Watauga*) <i>Phlox divaricata ssp. laphamii</i>	Wild Blue Phlox	W7	-	S1	G5T3T5
C: rich levee and slope forests (Halifax, Northampton) <i>Physalis lanceolata</i>	Sandhill Ground Cherry	W1	-	S2?	G3Q
SC: sandhills (Cumberland*, Harnett*, Hoke, Lee*, Montgomery*, Rowan, Stokes, Watauga*) <i>Platanthera blephariglottis</i>	Swamp Milkweed	W1	-	S2?	G3Q

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Moore, New Hanover*, Richmond, Robeson*, Sampson*, Scotland, Wayne*)					
<i>Phytolacca rigida</i> T: dunes, edges of brackish or salt marshes (Brunswick, Carteret, Dare*, Hyde, New Hanover, Onslow, Pender)	Maritime Pokeweed	W7	-	S2	G4Q
<i>Pieris floribunda</i> MP: acid wooded slopes, heath balds at high elevations and summits of Piedmont monadocks (Buncombe*, Burke*, Haywood*, Jackson*, Macon*, Stokes*, Surry*, Transylvania, Watauga*)	Fetterbush	W1	-	S2S3	G4
<i>Platanthera blephariglottis</i> CMPS: bogs or depressions (Bladen*, Brunswick*, Carteret, Craven, Cumberland, Dare, Duplin*, Gates*, Henderson*, Hoke, Johnston*, Martin*, Moore, Onslow*, Pender, Richmond, Robeson*, Scotland*, Tyrrell*, Wake*)	White-fringed Orchid	W1	-	S3?	G4G5
<i>Platanthera chapmanii</i> C: pine savannas and open roadsides (Brunswick)	Chapman's Orange-fringed Orchid	W3	-	S1?	G2
<i>Poa nemoralis</i> M: sandy creek bottoms (Haywood*)	Forest Bluegrass	W7	-	S1?	G5
<i>Polygonella americana</i> S: sandhills (Hoke, Richmond, Scotland)	Southern Jointweed	W4	-	SNR	G5
<i>Polygonella gracilis</i> S: dry sandy areas (Hoke)	Lesser Jointweed	W4	-	SNR	G4G5
<i>Polygonum erectum</i> MP: open places (Alamance*, Ashe, Avery*, Caswell, Cherokee*, Clay*, Henderson, Jackson*, Madison*, Surry*, Wake*, Watauga*, Yancey*)	Erect Knotweed	W7	-	S1S2	G5
<i>Polygonum ramosissimum</i> var. <i>prolificum</i> T: brackish marsh (Dare)	Bushy Knotweed	W7	-	S1	G5T4T5
<i>Polygonum tenuie</i> MP: glades and other thin soil over mafic rock (Alexander, Ashe*, Buncombe*, Burke, Durham*, Forsyth*, Granville, Henderson*, Macon*, Mecklenburg*, Mitchell*, Orange*, Rockingham*, Stanly*, Wilkes)	Glade Knotweed	W7	-	S2?	G5
<i>Polymnia canadensis</i> M: moist, rich forests, especially over calcareous rock (Haywood+, Madison, Mitchell*, Surry*, Yancey)	Canada Leaf-cup	W7	-	S2	G5
<i>Populus grandidentata</i> M: dry ridges and rocky woods (Alleghany*, Ashe, Haywood*, Polk, Swain, Wilkes, Yancey)	Bigtooth Aspen	W7	-	S2	G5
<i>Potamogeton foliosus</i> CMP: lakes, streams, and ponds (Alleghany*, Brunswick*, Buncombe*, Carteret, Cherokee*,	Leafy Pondweed	W1	-	S2	G5

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Currituck*, Gates*, Jones*, Madison*, Mecklenburg*, Tyrrell*)					
<i>Prenanthes roanensis</i> M: grassy balds, high elevation forests and outcrops (Alleghany, Ashe, Avery, Buncombe, Clay, Graham, Haywood, Jackson, Macon, Madison, McDowell, Mitchell, Swain, Transylvania, Watauga, Yancey)	Roan Rattlesnakeroot	W1	-	S3	G3
<i>Prunus nigra</i> MP: rich forests (Davie*, Mecklenburg*, Montgomery*, Orange*, Polk*, Stanly*)	Canada Plum	W7	-	S1	G4G5
<i>Prunus umbellata</i> PSC: rocky or sandy woodlands (Anson, Brunswick*, Burke, Cabarrus*, Cleveland*, McDowell, Moore*, Robeson*, Rutherford, Stanly, Union*)	Hog Plum	W7	-	S2	G4G5
<i>Psilotum nudum</i> C: acid swamp	Whiskfern	W4	-	SNA	G5
<i>Ptelea trifoliata</i> MPC: rich woods, cliffs and rock exposures mainly over mafic or calcareous rocks (Alexander*, Ashe, Brunswick*, Burke, Cabarrus, Caldwell, Cleveland, Cumberland*, Forsyth*, Franklin*, Granville, Guilford, Harnett, Jones, Madison, McDowell, Montgomery, New Hanover*, Polk*, Rockingham, Rutherford, Wake, Wilkes)	Wafer-ash	W1	-	S3	G5
<i>Pycnanthemum clinopodioides</i> MP: forests, woodland borders (Burke, Catawba, McDowell, Rutherford)	Basil Mountain-mint	W7	-	S1?	G2
<i>Pyrola americana</i> MPC: forests (Alleghany*, Ashe, Bladen*, Davidson, Durham*, Forsyth*, Granville*, Guilford*, Iredell*, Mitchell*, Orange, Person, Rockingham*, Rowan, Wake*, Warren*)	American Shinleaf	W1	-	S2	G5
<i>Quercus bicolor</i> P: upland swamp forests (Burke, Davie*, Durham, Granville, Guilford*, Mecklenburg, Nash*, Person, Rockingham, Rowan, Wake*, Wilson*)	Swamp White Oak	W1	-	S2	G5
<i>Quercus imbricaria</i> MP: floodplain forests (Anson*, Buncombe, Burke, Haywood, Jackson, Macon*, Mecklenburg*, Rockingham, Swain*, Wilkes*)	Shingle Oak	W1	-	S3	G5
<i>Quercus muehlenbergii</i> MP: calcareous forsts and bluffs (Ashe*, Beaufort*, Burke, Cabarrus*, Caswell, Cherokee, Guilford*, Jackson, Madison, McDowell, Montgomery, Person, Polk,	Chinquapin Oak	W1	-	S2	G5

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Rockingham, Rutherford, Swain, Vance, Wake) <i>Quercus palustris</i>	Pin Oak	W1	-	S2	G5
CMP: swamps (Caswell*, Chatham*, Davidson*, Davie*, Durham, Granville, Hertford*, Lee*, Lincoln*, McDowell, Mecklenburg*, Orange*, Person, Rowan*, Rutherford)					
<i>Ranunculus allegheniensis</i> M: rich cove forests (Alleghany*, Ashe, Avery, Haywood*, Mitchell*, Watauga)	Allegheny Mountain Buttercup	W7	-	S2	G4G5
<i>Ranunculus laxicaulis</i> C: swamp forests, open wet areas (Bladen, Columbus, Halifax, Northampton)	Swamp Buttercup	W7	-	S2	G5?
<i>Rhexia cubensis</i> C: limesink ponds (Bladen, Brunswick, Carteret, Columbus, New Hanover, Onslow, Pender, Sampson)	West Indies Meadow-beauty	W1	-	S3	G4G5
<i>Rhynchospora careyana</i> C: limesink ponds, clay-based bays (Brunswick, Columbus, Hoke, New Hanover, Onslow, Scotland)	Carey's Beaksedge	W7	-	S2	G4?Q
<i>Rhynchospora cephalantha</i> var. <i>attenuata</i> S: boggy openings in streamhead pocosins (Cumberland, Harnett, Hoke, Moore, Scotland)	Small Bunched Beaksedge	W1	-	S3	G5T3?
<i>Rhynchospora inundata</i> SC: limesink ponds, clay-based Carolina bays (Bladen, Brunswick, Carteret, Hoke, New Hanover, Onslow, Pender, Robeson, Scotland)	Narrowfruit Beaksedge	W1	-	S3	G3G4
<i>Rhynchospora leptocarpa</i> S: boggy openings in streamhead pocosins, boggy beaverponds (Cumberland, Hoke, Moore, Richmond, Scotland)	Brownish Beaksedge	W1	-	S3	G3
<i>Rhynchospora macrostachya</i> var. <i>colpophila</i> C: tidal freshwater marshes (Chowan*)	Virginia Horned Beaksedge	W7	-	S1?	G4T4
<i>Rhynchospora nitens</i> C: savannas, limesinks, other wet open places (Bladen, Brunswick, Carteret, Columbus, Craven, Cumberland, Harnett, Hyde*, Johnston*, Onslow, Pender, Scotland)	Shortbeak Baldsedge	W1	-	S3	G4?
<i>Rhynchospora oligantha</i> CSP: savannas, seepage bogs (Brunswick, Carteret, Columbus, Craven, Cumberland, Harnett, Hoke, Moore, Onslow, Pender, Richmond)	Feather-bristle Beaksedge	W1	-	S3	G4
<i>Rhynchospora pallida</i> CS: savannas, sandhill seeps, and pocosins (Beaufort*, Bladen*, Brunswick, Carteret, Columbus, Craven*, Cumberland, Duplin*, Edgecombe, Harnett*, Hoke, Jones*, Nash*, New Hanover, Onslow, Pamlico*, Pender, Richmond, Sampson, Scotland*, Wilson*)	Pale Beaksedge	W1	-	S3	G3

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<i>Rhynchospora scirpoides</i> CS: beaver ponds, limesink ponds, wet savannas (Brunswick, Carteret, Columbus*, Craven, Cumberland, Dare, Harnett, Hoke, Moore, New Hanover, Onslow, Richmond, Tyrrell*)	Long-beak Baldsedge	W1	-	S3	G4
<i>Rhynchospora stenophylla</i> CS: savannas, seepage bogs (Carteret*, Cumberland, Harnett, Hoke, Moore, Onslow, Pender*, Sampson, Scotland)	Littleleaf Beaksedge	W1	-	S3	G4
<i>Rhynchospora wrightiana</i> C: savannas (Brunswick, Carteret, Cumberland, Harnett, Hoke, New Hanover, Onslow, Sampson, Scotland, Wayne*)	Wright's Beaksedge	W1	-	S3	G5
<i>Robinia hispida var. rosea</i> MP: open woods (Alexander*, Alleghany*, Buncombe*, Burke*, Catawba, Henderson*, Macon*, Stanly*, Wilkes*)	Boynton's Locust	W7	-	S2?	G4T3?
<i>Robinia viscosa</i> MP: open woods (Buncombe*, Burke*, Haywood*, Henderson*, Jackson*, Macon, McDowell*, Moore*, Richmond, Rutherford, Transylvania, Yancey*)	Clammy Locust	W7	-	S3	G3
<i>Rudbeckia laciniata var. humilis</i> CMP: seeps, stream banks, and boulderfield forests (Ashe*, Brunswick*, Buncombe, Burke, McDowell, Moore*)	A Coneflower	W7	-	S2?	G5T3?
<i>Rudbeckia triloba var. rupestris</i> M: forests at high elevations	A Coneflower	W7	-	S2?	G5T3?
<i>Rumex altissimus</i> CPM: low wet places (Dare*, Durham*, Guilford*, Iredell*, Johnston*, Madison*, McDowell*, Wake*, Warren*, Wilson*)	Pale Dock	W7	-	S2?	G5
<i>Sabatia campestris</i> M: forest edges (Haywood*)	Prairie Sabatia	W4	-	SH	G5?
<i>Sabatia capitata</i> M: habitat in North Carolina not known (Cherokee*)	Rose Gentian	W3	-	SNR	G2
<i>Sabatia dodecandra</i> C: tidal, brackish, and freshwater marshes (Beaufort*, Brunswick*, Carteret, Craven, Currituck*, Dare, Hyde*, Jones*, New Hanover*, Pamlico*, Pasquotank*, Tyrrell*)	Large Marsh Pink	W1	-	S2	G5?
<i>Sabatia quadrangula</i> PCS: moist to mesic grassy glades, woodland borders, powerline clearings, often with hardpan soils (Bertie*, Durham*, Granville, Halifax*, Johnston*, Orange*, Person, Randolph*, Richmond, Rowan*, Scotland*, Stanly*, Wake, Wayne*)	Four-angle Sabatia	W7	-	S2	G4G5
<i>Sagina procumbens</i>	Northern Pearlwort	W4	-	SNA	G5

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M: high elevation disturbed sites (Mitchell)					
<i>Sagittaria calycina</i> var. <i>spongiosa</i> TC: tidal freshwater to brackish marshes	Tidal Sagittaria	W3	-	SNR	G5T4
<i>Sagittaria engelmanniana</i> SCP: mostly blackwater streams and bogs (Carteret, Craven*, Cumberland, Harnett, Hoke, Moore, Onslow, Richmond, Scotland)	Englemann's Arrowhead	W1	-	S2	G5?
<i>Sagittaria platyphylla</i> P: marshes (Union*)	Delta Arrowhead	W7	-	S1	G5
<i>Schizachyrium littorale</i> T: coastal dunes and maritime dry grasslands (Brunswick, Carteret, Dare, New Hanover, Onslow, Pender)	Seaside Little Bluestem	W1	-	S2S3	G5
<i>Schoenolirion croceum</i> S: wet pinelands (Richmond*)	Sunnybell	W3	-	SH	G4
<i>Schoenoplectus americanus</i> T: tidal marshes (Brunswick, Carteret, Dare*, Hyde*, New Hanover, Onslow)	Olney Threesquare	W7	-	S1?	G5
<i>Schoenoplectus californicus</i> C: tidal marshes (New Hanover*)	California Bulrush	W3	-	SH	G5
<i>Scirpus divaricatus</i> C: swamp forests (Bladen, Columbus*, Craven*, Duplin, Edgecombe*, Jones*, Martin*, Nash*, Pamlico*, Pender, Pitt*, Sampson*, Wilson*)	Spreading Bulrush	W7	-	S2?	G5
<i>Scleria georgiana</i> CS: savannas (Brunswick, Carteret, Columbus, Craven, Hoke, New Hanover, Onslow, Pender, Robeson, Sampson, Scotland)	Georgia Nutrush	W1	-	S3	G4
<i>Scutellaria mellichampii</i> C: sandy deciduous forests (Brunswick*)	Mellichamp's Skullcap	W7	-	SH	G5T3T4
<i>Scutellaria ovata</i> ssp. <i>bracteata</i> CP: rich woods on circumneutral soil (Anson, Bladen*, Caswell, Chatham*, Granville, Halifax, Harnett, Northampton, Stanly, Wake)	A Heartleaf Skullcap	W7	-	S2?	G5T3T5
<i>Scutellaria ovata</i> ssp. <i>ovata</i> var. <i>ovata</i> MP: rich woods on circumneutral soil (Ashe, Burke*, Polk*, Stanly*, Transylvania, Wilkes*)	A Heartleaf Skullcap	W7	-	S1	G5T5
<i>Scutellaria ovata</i> ssp. <i>rugosa</i> M: rich woods on circumneutral soil (Haywood*, Mitchell*, Yancey*)	A Heartleaf Skullcap	W7	-	S1	GNR
<i>Scutellaria serrata</i> PM: deciduous forests (Alamance*, Alexander*, Ashe, Buncombe*, Burke, Durham*, Granville, Harnett, Lee*, Macon*, McDowell, Orange, Person, Rockingham*, Rutherford, Surry*, Wake)	Showy Skullcap	W1	-	S2S3	G4G5
<i>Senna hebecarpa</i> PM: forests (Buncombe*, Burke, Durham, McDowell, Moore, Orange, Rowan, Rutherford, Surry)	Wild Senna	W7	-	S2S3	G5

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<i>Sideroxylon lycioides</i> TCP: maritime forests, bluffs or forests over calcareous or mafic rocks (Alexander*, Anson*, Beaufort*, Bladen, Brunswick, Cabarrus, Carteret*, Columbus*, Craven*, Currituck*, Dare*, Johnston*, Jones*, Montgomery, New Hanover, Onslow, Pender, Richmond, Rowan, Stanly, Tyrrell*)	Buckthorn Bumelia	W1	-	S2S3	G5
<i>Silene caroliniana</i> var. <i>caroliniana</i> P: open, rocky slopes (Anson*, Moore, Richmond*, Stanly, Union*)	Rock Catchfly	W7	-	S2S3	G5T4
<i>Silene caroliniana</i> var. <i>pensylvanica</i> CP: open woodlands with sandy or sandy-loamy soils (Cumberland*, Dare*, Franklin*, Harnett*, Hoke, Johnston, Lenoir*, Moore, Orange*, Scotland, Wake*)	Sticky Catchfly	W7	-	S1S2	G5T4T5
<i>Silphium asteriscus</i> var. <i>laevicaule</i> PM: forests (Alamance*, Anson*, Cabarrus*, Chatham*, Cleveland*, Davidson*, Gaston*, Granville*, Macon*, Mecklenburg*, Polk*, Richmond, Rowan*, Union*, Wake*)	Starry Rosinweed	W7	-	S2	G5TNR
<i>Sisyrinchium montanum</i> var. <i>crebrum</i> P: oak-hickory forests (Alleghany, Rutherford)	Strict Blue-eyed Grass	W7	-	S1?	G5T4T5
<i>Smilax pseudochina</i> CS: streamheads, ecotones, borders of blackwater creek floodplains (Cumberland*, Gates*, Harnett, Hoke*, Martin, Moore, Onslow*, Robeson*)	Long-stalk Greenbrier	W1	-	S3?	G4G5
<i>Solidago arguta</i> var. <i>arguta</i> MP: forests (McDowell)	Forest Goldenrod	W7	-	S2?	G5T4T5
<i>Solidago gracillima</i> CS: savannas, boggy sites, peaty places (Brunswick, Carteret, Columbus, Cumberland, Hoke, Jones, Montgomery, Moore, Onslow, Pender, Richmond)	Graceful Goldenrod	W1	-	S3	G4?
<i>Solidago lancifolia</i> M: moist forests, mostly over 5000 feet	Lance-leaf Goldenrod	W7	-	SNR	G3G4Q
<i>Solidago patula</i> var. <i>strictula</i> SPC: seeps, pocosins, peaty places (Brunswick*, Cumberland, Harnett, Hoke, Johnston*, Moore, Person, Richmond, Scotland, Wake*)	Round-leaved Goldenrod	W1	-	S2?	G5T5
<i>Solidago puberula</i> var. <i>puberula</i> MP: bogs and wet meadows (Alleghany, Avery*, Burke*, Cabarrus*, Haywood*, Henderson*, Macon*, Mitchell*, Surry*, Transylvania*)	Downy Goldenrod	W7	-	S2	G5T4T5
<i>Solidago pulchra</i> C: savannas (Bladen*, Brunswick, Carteret, Craven, Cumberland, Jones, New Hanover*, Onslow, Pender)	Carolina Goldenrod	W1	-	S3	G3
<i>Solidago tarda</i> P: dry, disturbed roadside (Burke)	Atlantic Goldenrod	W3	-	S1?	G4?Q

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S. -	Rank N.C.	Global
<i>Spergularia salina</i> T: salt marshes and tidal flats (Brunswick*, Carteret, Currituck*, Dare*, Hyde*, Onslow, Pamlico*)	Saltmarsh Sandspurrey	W7	-	S1S2	G5
<i>Sphenopholis intermedia</i> MPC: rich woods (Ashe*, Cabarrus*, Caldwell*, Graham*, Guilford*, Haywood*, Madison*, Martin*, Mitchell*, Rutherford, Stokes*)	Prairie Wedgescale	W7	-	S2	G5
<i>Spiraea alba</i> M: bogs (Alleghany, Ashe, Avery, Buncombe*, Clay*, Henderson, Jackson*, Macon*, Transylvania*, Wilkes*)	Narrow-leaf Meadowsweet	W1	-	S2	G5
<i>Spiraea latifolia</i> M: bogs (Alleghany, Ashe, Avery*, Jackson*, Macon, Surry*, Transylvania*)	Broadleaf Meadowsweet	W7	-	S2?	G5
<i>Spirodela polyrrhiza</i> C: pools, stagnant waters (Bertie, Bladen, Currituck, Dare, Gates, Pender, Perquimans*, Washington)	Common Water-flaxseed	W7	-	S2?	G5
<i>Sporobolus pинетorum</i> CS: wet savannas (Bladen, Brunswick, Columbus, Cumberland, Duplin, Greene*, Harnett, Hoke, Jones, Lenoir*, Onslow, Pender, Richmond, Robeson*, Sampson*, Scotland)	Carolina Dropseed	W1	-	S3	G3
<i>Stachys aspera</i> PS: moist or wet sandy soil of savannas, marshes, or swamp forests (Moore, Person)	Rough Hedge-nettle	W7	-	S2?	G4?
<i>Stachys hyssopifolia</i> var. <i>hyssopifolia</i> C: moist soils of savannas, marshes, seasonally flooded sinkhole ponds, roadside ditches (Hoke)	Hyssopleaf Hedge-nettle	W7	-	S2	G4G5
<i>Stellaria alsine</i> M: seeps (Buncombe, Henderson, Madison, Polk, Transylvania)	Longstalk Starwort	W1	-	S3?	G5
<i>Stellaria corei</i> MP: coves, seeps, northern hardwood forests (Avery, Buncombe, Burke, Caldwell*, Catawba*, Clay, Haywood, Jackson, Macon, Mitchell, Polk, Swain, Watauga, Yancey*)	Core's Starwort	W1	-	S3	G4
<i>Stuckenia pectinata</i> CT: Brackish and alkaline waters (Currituck*, Dare*)	Sago Pondweed	W1	-	S2?	G5
<i>Symphyotrichum elliottii</i> C: freshwater to brackish marshes, swamps, and ditches (Beaufort*, Brunswick, Chowan*, Dare*, Duplin*, Jones, New Hanover*, Onslow*, Pasquotank*, Pender, Tyrrell*)	Elliott's Aster	W1	-	S2S3	G4
<i>Symphyotrichum firmum</i> M: bogs and other wet places (Avery, Buncombe*, Clay, McDowell, Watauga, Yancey)	Purple-stem Aster	W7	-	S1	G5
<i>Symphyotrichum lanceolatum</i> var. <i>lanceolatum</i>	Panicled Aster	W7	-	S2?	G5T5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
MP: sunny, wet meadows (Ashe, Durham, McDowell, Orange, Rutherford) <i>Symphyotrichum novae-angliae</i> M: wet meadows, bogs, prairies	New England Aster	W1	-	S3	G5
<i>Syngonanthus flavidulus</i> C: ditches, pocosin ecotones, savannas (Bladen, Brunswick, Carteret, Craven*, Cumberland, New Hanover*, Onslow, Pender, Sampson)	Yellow Hatpins	W1	-	S3	G5
<i>Tetragonotheca helianthoides</i> MP: sandy woodlands, forests, roadsides (McDowell, Mecklenburg)	Pineland Squarehead	W1	-	S3?	G5
<i>Thermopsis villosa</i> M: forests and openings (Avery, Cherokee*, Clay*, Graham, Haywood, Jackson*, Macon, Madison*, Surry*, Swain*, Transylvania)	Aaron's-rod	W7	-	S2?	G3?
<i>Thuja occidentalis</i> M: calcareous rocks? (no known and documented native occurrences in North Carolina) (Alleghany+, Ashe+)	American Arborvitae	W7	-	SNR	G5
<i>Tilia americana</i> var. <i>americana</i> MP: rich cove forests (Cherokee, Davidson*, Person, Swain*, Wake*, Watauga*)	American Basswood	W7	-	S1?	G5T5
<i>Tradescantia hirsuticaulis</i> MP: dry rocky woodlands and rock outcrops (Catawba, Jackson, Macon, McDowell, Orange*, Wake*)	Hairy Spiderwort	W7	-	S1	G5
<i>Triadenum tubulosum</i> CMP: wet sites, pools (Anson, Bertie, Davidson, Gaston, Mecklenburg, Watauga)	Marsh St. John's-wort	W7	-	S2?	G4?
<i>Tridens carolinianus</i> CS: sandhills and pine flatwoods (Brunswick*, Cumberland, Harnett, Hoke, Moore, Richmond, Scotland)	Carolina Triodia	W1	-	S3	G3G4
<i>Trillium rugelii</i> PM: rich woods and coves over mafic and calcareous rocks (Avery, Buncombe, Burke, Cherokee, Davie*, Guilford*, Haywood, Henderson*, McDowell, Mecklenburg*, Mitchell*, Polk, Richmond, Rutherford, Yancey)	Southern Nodding Trillium	W7	-	S2?	G3
<i>Triosteum angustifolium</i> P: thin woodlands over mafic rocks (Cabarrus*, Durham, Granville, Guilford*, Mecklenburg*, Orange*, Randolph*)	Narrowleaf Tinker's-weed	W7	-	S2?	G5
<i>Triosteum aurantiacum</i> MP: rich cove forests over mafic rocks (Ashe, Clay*, Graham, Haywood, Iredell*, Jackson, Macon, Madison, McDowell*, Mecklenburg*, Mitchell*, Swain*, Transylvania, Watauga*)	Coffee Tinker's-weed	W7	-	S2?	G5
<i>Triphora trianthophoros</i> var. <i>triantophoros</i>	Three Birds Orchid	W1	-	S2S3	G3Q

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Rank Global
CMP: moist forests (Ashe*, Avery, Buncombe, Burke, Carteret, Cherokee, Clay, Dare, Graham, Haywood*, Henderson, Jackson*, Macon*, McDowell, Polk*, Swain*, Transylvania, Yancey)					
<i>Typha domingensis</i>	Southern Cattail	W7	-	S2?	G4G5
CT: brackish marshes (Beaufort*, Brunswick, Carteret*, Dare, Hyde*, New Hanover*, Pamlico*, Pender*)					
<i>Utricularia foliosa</i>	Leafy Bladderwort	W3	-	SNR	G5
C: habitat in North Carolina not known					
<i>Vaccinium hirsutum</i>	Hairy Blueberry	W1	-	S3	G3
M: ridgeline red oak forests, oak hickory forests, pine oak heath (Cherokee, Graham, Swain)					
<i>Valerianella umbilicata</i>	Woodland Cornsalad	W7	-	SU	G3G5
PM: rich woods and disturbed sites (Forsyth*, Randolph*, Stokes*, Swain*)					
<i>Verbena hastata</i>	Blue Vervain	W7	-	S2S3	G5
CP: marshes, bogs, and fields (Alleghany, Buncombe, Onslow)					
<i>Verbena scabra</i>	Sandpaper Vervain	W7	-	S2?	G5
CT: marsh edges, shell middens (Bladen*, Brunswick*, Carteret*, Chowan*, Currituck*, Hyde*, New Hanover*, Onslow, Pender, Pitt)					
<i>Verbesina helianthoides</i>	A Crownbeard	W3	-	SNR	G5
M: open woods and glades					
<i>Verbesina virginica var. virginica</i>	Frostweed	W7	-	S2?	G5?T5?
CMPS: moist forests, especially over calcareous rocks (Jones, Macon, Richmond, Stanly)					
<i>Veronica anagallis-aquatica</i>	Blue Water Speedwell	W7	-	S1	G5
M: bogs, streambanks, rivulets (Avery, Madison*, Mitchell*)					
<i>Veronicastrum virginicum</i>	Culver's-root	W7	-	S2?	G4
MP: bogs, wet meadows, dry soils over mafic rocks (Alleghany, Ashe, Avery*, Buncombe*, Durham*, Forsyth*, Granville, Jackson, Madison*, Orange*, Person*, Vance, Wake, Warren+, Yancey*)					
<i>Vigna luteola</i>	Wild Cowpea	W7	-	S1?	G5
C: marsh edges, wet open areas (Brunswick, New Hanover*)					
<i>Viola brittoniana</i>	Northern Coastal Violet	W7	-	S2?	G4G5
CSP: moist slopes and low wet places (Columbus, Cumberland, Currituck*, Gates, Harnett, Hertford*, Jones, Moore*, Northampton*, Perquimans*, Richmond*, Robeson*, Washington*)					
<i>Viola labradorica</i>	Alpine Violet	W7	-	S2?	G5
MP: rich cove forests, bottomlands and seepage slopes (Alexander*, Alleghany, Ashe, Haywood*, Henderson, Iredell, Macon, Swain, Vance*)					
<i>Viola tripartita var. glaberrima</i>	Three-parted Violet	W7	-	S2?	G3?Q

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W7	U.S. -	Rank N.C. S2?	Global
MP: forests associated with basic soils (Buncombe*, Burke, Catawba*, Clay*, Davidson*, Forsyth*, Graham*, Henderson+, Iredell*, Mitchell*, Orange*, Polk*, Rockingham*, Rowan*, Stanly*, Stokes*, Yancey*)					
<i>Viola tripartita</i> var. <i>tripartita</i> M: moist woods with rich soil (Buncombe*, Henderson*, Transylvania)	Three-parted Violet	W7	-	S2?	G3?Q
<i>Viola villosa</i> CSP: moist places, especially pocosin edges (Anson*, Bladen*, Cumberland, Hoke, New Hanover*, Onslow*, Pender, Richmond, Scotland)	Carolina Violet	W7	-	S2	G5
<i>Xyris brevifolia</i> C: savannas, other low wet areas (Bladen, Brunswick, Carteret, Columbus+, Craven, Onslow, Pender, Sampson)	Shortleaf Yellow-eyed-grass	W1	-	S3	G4G5
<i>Xyris flabelliformis</i> CPS: savannas, streamhead pocosins (Bladen, Brunswick, Carteret*, Hoke, Moore, Onslow, Pender, Richmond)	Savanna Yellow-eyed-grass	W1	-	S1	G4
<i>Xyris iridifolia</i> CS: limesink ponds, pineland pools, marshes (Beaufort*, Brunswick, Carteret*, Columbus*, Craven, Jones*, Onslow, Pender, Robeson)	Iris-leaf Yellow-eyed-grass	W7	-	S2	G4G5T4T5
<i>Xyris smalliana</i> CS: pineland pools, limesink ponds, shores (Bladen, Brunswick, Carteret, Columbus, Craven*, New Hanover, Onslow, Richmond, Sampson, Scotland)	Small's Yellow-eyed-grass	W1	-	S3	G5
<i>Yucca aloifolia</i> T: dunes (Brunswick+, Carteret, Dare+, Hyde+, New Hanover, Pender)	Aloe Yucca	W1	-	S2?	G5
<i>Yucca flaccida</i> CSPM: open, dry woodlands (Burke, Catawba, Cherokee*, Jackson*, Lee*, Lenoir*, McDowell)	Weakleaf Yucca	W7	-	S1	G5
<i>Zannichellia palustris</i> TC: calcareous or brackish waters of pools and estuaries (Brunswick*, Craven, Currituck*, Dare*, Hyde*, Pamlico*, Tyrrell*)	Horned Pondweed	W7	-	S2?	G5
<i>Zizania aquatica</i> C: freshwater marshes (Beaufort*, Brunswick, Carteret*, Chowan*, Craven, Dare, Gates, Jones, New Hanover, Pender, Washington)	Wild Rice	W7	-	S2	G5
<i>Zosterella dubia</i> M: sluggish streams (Alleghany*)	Water Stargrass	W3	-	S1?	G5

Mosses

<i>Amblystegium humile</i>	A Thin-net Moss	W7	-	S2?	G5
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Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W7	U.S. -	Rank N.C. S2?	Rank Global G5
CP: wet substrates (Bertie, Brunswick, Buncombe, Caswell*, Durham, Edgecombe, Moore, Pasquotank, Tyrrell) <i>Amphidium mougeotii</i>	Mougeot's Yoke Moss				
M: seasonally wet crevices of neutral to acidic cliffs (Ashe*, Haywood*, Jackson, Macon, Polk*, Transylvania*, Watauga*)		W7	-	S2?	G5
<i>Anacamptodon splachnoides</i>	Knothole Moss	W7	-	S2?	G3G5
MP: bark of trees (Burke*, Chatham*, Clay*, Durham*, Graham*, Haywood*, Henderson*, Jackson, Macon*, Mitchell*, Moore*, Orange*, Stokes*, Yancey*)					
<i>Andreaea rothii</i> var. <i>rothii</i>	Black Falcate Split Moss	W7	-	S2?	G5TNR
MP: shaded, calcium-free rocks (Burke, Haywood, Jackson, Macon, McDowell*, Mitchell, Stokes*, Swain*, Yancey)					
<i>Andreaea rupestris</i>	Rock Split Moss	W1	-	S2?	G5
M: rock, typically acidic (Buncombe*, Jackson, Mitchell*)					
<i>Anomobryum julaceum</i>	Common Silver Moss	W7	-	SH	G4
M: high elevations on soil and rocks (Ashe*, Jackson*, Macon*, Rutherford*, Transylvania*)					
<i>Archidium donnellii</i>	An Earth Moss	W3	-	SNR	G3G5
Habitat and locations in NC have not been confirmed.					
<i>Archidium ohioense</i>	Tokyo Soil Moss	W3	-	SNR	G4G5
Habitat and locations in NC have not been confirmed.					
<i>Archidium tenerimum</i>	An Earth Moss	W3	-	SNR	G5?
Habitat and locations in NC have not been confirmed.					
<i>Atrichum altecristatum</i>	A Catherinea Moss	W7	-	S2?	G4G5Q
MP: open or semishaded soils, usually low elevations (Buncombe*, Jackson, Macon, Orange, Transylvania)					
<i>Atrichum cylindricum</i>	A Catherinea Moss	W7	-	S2?	G5
CP: moist soils of ditches and stream banks in bottomlands and swamp forests (Bertie*, Columbus*, Craven, Currituck, Franklin*, Johnston, Moore*, Orange)					
<i>Brachelyma subulatum</i>	A Moss	W7	-	S2?	G4G5
CP: bases of trees or on hard surfaces in swampy areas (Bladen, Columbus, Greene*, Hertford*, Mecklenburg*)					
<i>Brachythecium acuminatum</i> var. <i>cyrtophyllum</i>	Acuminate Brachythecium bark at base of trees, logs	W7	-	S2?	G5TNR
<i>Brachythecium plumosum</i>	Rusty Feather Moss	W7	-	S2?	G5
CM: moist, acid rocks in or near streams (Columbus*, Harnett*, Haywood, Watauga, Yancey*)					
<i>Brachythecium reflexum</i>	Reflexed Feather Moss	W7	-	S2?	G4G5
M: on trees and boulders (Jackson, Watauga)					
<i>Brachythecium rutabulum</i>	Rough-stalked Feather Moss	W7	-	S2?	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W7	U.S. -	Rank N.C. S2?	Global G5
MP: trees, humus, rocks in wet forests (Avery*, Durham*, Jackson, Mecklenburg*, Rowan*, Swain*)					
<i>Brachythecium salebrosum</i>	Smooth-stalked Yellow Feather Moss	W7	-	S2?	G5
MP: shaded sils, rocks, bases of trees, and logs in disturbed places (Forsyth*, Graham, Macon*, Watauga*, Yancey*)					
<i>Brachythecium velutinum</i>	Velvet Moss	W7	-	S1?	G5
M: high elevation forests (Buncombe)					
<i>Brothera leana</i>	Boar Moss	W7	-	S2?	G3G4
MP: on logs in forests; on thin soil around rock outcrops (Ashe, Avery, Burke*, Haywood*, Jackson*, McDowell*, Rutherford*, Stokes, Surry, Watauga*)					
<i>Bruchia ravenelii</i>	A Pygmy Moss	W7	-	SH	G3?
S: sandy soil of old fields and open woods (Cumberland*, Harnett*, Hoke*, Johnston*, Richmond*, Wake*)					
<i>Bruchia texana</i>	Texas Bruchia Moss	SR-T	-	SH	G3G5
CPS: moist clay or sandy soil in open areas (Durham*, Harnett*, Mecklenburg*, Pender*, Richmond*)					
<i>Bryhnia novae-angliae</i>	Arrowhead Moss	W1	-	S2?	G5
CM: soil, humus, or rotten logs of shady, wet places (Haywood, Macon, Martin*, Transylvania, Tyrrell)					
<i>Bryoerythrophyllum recurvirostrum</i>	A Red Foot Moss	W7	-	S2?	G5
M: on soil, rock, and bark in forested boggy areas and stream banks (Clay*, Jackson*, Macon*, Transylvania*)					
<i>Cryphaea ravenelii</i>	A Thread Cedar Moss	W7	-	S2?	G3?
PC: on bark of trees (Anson*, Chatham*, Durham*, Halifax*, Harnett*, Hertford*, Person*)					
<i>Cynodontium schisti</i>	Cynodontium Moss	W7	-	S1	G3G5
PM: rock crevices, thin soil over rock (Burke, McDowell*)					
<i>Dicranum fuscescens</i>	Fuscous Moss	W7	-	S2?	G5
MP: on trees, logs, soil, rock, and humus in woodlands, spruce-fir forest, occasionally bogs (Avery*, Buncombe, Graham*, Haywood*, Jackson*, Mitchell*, Stokes*, Swain*, Transylvania*, Yancey)					
<i>Dicranum spurium</i>	Rusty Fork Moss	W7	-	S2?	G5
CMP: sandy soil, decayed logs, acidic rock, humus over rock, pine woods, sometimes bogs (Alexander*, Alleghany*, Avery*, Burke*, Carteret*, Franklin*, Jackson*, Macon*, Stokes*, Surry*)					
<i>Diphyscium mucronifolium</i>	Grain o'Wheat Moss	W7	-	S1?	G4
MP: wet rocks at spray cliffs and cove forests (Burke, Graham)					
<i>Entosthodon drummondii</i>	A Cord Moss	W7	-	SH	G4G5
CPS: primarily sandy soils of disturbed, often wet areas (Durham*,					

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Harnett*, Moore*, Pender*, Randolph*, Tyrrell*) <i>Ephemerum spinulosum</i> CP: moist or drying soil in disturbed, partly sunny areas, or on rotting wood (Columbus*, Durham, Mecklenburg*, Orange)	Emerald Dewdrops	W7	-	S2?	G4G5
<i>Fabronia ciliaris</i> var. <i>polycarpa</i> CMPT: bark of trees, less commonly on rocks (Alexander*, Carteret*, Clay*, Cumberland*, Hyde*, Jackson*, Rowan*, Transylvania*, Washington*)	A False Crushed-rice Moss	W7	-	S2?	G5T4T5
<i>Fissidens adianthoides</i> MP: wet areas on soil, around bases of trees, on decaying wood or calcareous rocks (Ashe*, Avery*, Brunswick*, Durham*, Forsyth*, Granville*, Johnston*, McDowell*)	Maiden Hair Moss	W7	-	S1S2	G5
<i>Fissidens appalachensis</i> M: submerged in rapids of moderate to high elevation mountain streams (Buncombe*, Caldwell*, Jackson*, Macon*, McDowell*, Swain*, Watauga*)	Appalachian Pocket Moss	W7	-	S2S3	G2G3
<i>Fissidens elegans</i> CP: sandy and clayey soils along roadsides and streams, on trees or stumps (Anson*, Columbus*, Cumberland*, Durham, Harnett, Hyde*, Jackson, Martin*, New Hanover*, Pender*, Sampson*, Stokes*)	A Plume Moss	W7	-	S2?	G5
<i>Fissidens exilis</i> P: stream banks (Cleveland, Durham, Gaston*)	Small Pocket Moss	W4	-	SNA	G3G4
<i>Fissidens fontanus</i> PC: attached to various substrata in stagnant and flowing water, and in coastal estuaries (Anson*, Craven*, Durham*, Franklin*, Gates*, Jones*, Macon*, Mecklenburg*, New Hanover*, Orange, Pitt)	Water Pocket Moss	W7	-	S2?	G5
<i>Fissidens polypodioides</i> Calcareous soil, and limestone rocks along streams and in ravines	A Moss	W7	-	S2?	G4G5
<i>Fontinalis flaccida</i> CMP: bases of trees in brooks or swamps, submerged (Bladen*, Brunswick*, Columbus*, Harnett, Jackson, Macon, Mitchell*, Wake*)	A Water Moss	W7	-	S2?	G4G5
<i>Fontinalis sullivantii</i> CM: rocks or trees in pools or streams (Brunswick*, Columbus*, Gates*, Macon, Mitchell*, Nash)	A Water Moss	W7	-	S2?	G3G5
<i>Funaria serrata</i> CP: on soil of disturbed places, near streams or ditches (Chatham*, Durham*, Forsyth*, Gaston*, Hertford*, Johnston*, Nash*, Randolph*)	A Cord Moss	W7	-	SH	G4
<i>Grimmia olneyi</i>	A Beard Moss	W7	-	S2?	G3G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. W7	U.S. -	Rank N.C. S2?	Global
MP: faces of dry to periodically wet rocks, along streams or splash zones of lakes (Alexander*, Alleghany*, Burke*, Forsyth*, Jackson*, Macon*, Montgomery*, Polk*)					
<i>Helodium paludosum</i>	Pond Fern Moss				
CMP: on soil, humus, trees, or logs in swamps, marshes, or meadows (Anson*, Camden, Caswell*, Columbus*, Durham*, Gates*, Granville*, Haywood*, Martin*, Mecklenburg*, Orange, Pasquotank*, Stokes*, Watauga*)		W7	-	S2?	G3G5
<i>Herpetineuron toccae</i>	Coiled Moss				
M: bark of trees or calcareous to non-calcareous rocks (Graham*, Jackson*, McDowell*, Transylvania)		W7	-	S2?	G4G5
<i>Hygroamblystegium fluviatile</i>	Brookside Feather Moss				
CMP: wet, calcareous rocks (Avery*, Burke*, Harnett, McDowell*, Wake)		W7	-	S2?	G5
<i>Hypnum fauriei</i>	A Cedar Moss				
MP: logs and tree bases in deciduous forest (Haywood, Jackson, Johnston*, Macon, Moore*, Orange, Swain*, Transylvania, Watauga, Yancey)		W7	-	S2?	G5
<i>Hypnum plicatulum</i>	A Cedar Moss				
M: epiphytic, terrestrial, and on humus over rock (Haywood*, Jackson, Swain*, Transylvania*, Yancey*)		W7	-	S2?	G5
<i>Leskeia australis</i>	A Dusky Moss				
P: lower parts of hardwood trees and bald cypress and logs in woods along rivers, swamps (Orange)		W7	-	S2?	G4
<i>Leucodon andrewsianus</i>	Squirrel Tail Moss				
M: trunks of trees, occasionally on rocks (Ashe*, Haywood*, Jackson, Macon*, Rutherford*, Watauga)		W7	-	S2?	G5T5
<i>Micromitrium megalosporum</i>	A Moss				
CMP: unfertilized bare soil, in sun or partial shade (Bladen*, Columbus*, Durham*, Mecklenburg*, Transylvania*, Wilson*)		W7	-	S2?	G4
<i>Philonotis longisetata</i>	An Apple Moss				
CMP: soil or rock, often on wet embankments (Alleghany*, Forsyth*, Haywood*, Jackson*, Jones*, Lee*, McDowell*, Stokes*, Swain*, Transylvania)		W7	-	S2?	G3G4
<i>Philonotis marchica</i>	An Apple Moss				
CMP: rocks and soil in wet places, roadsides, springs (Forsyth*, Franklin*, Harnett*, Haywood*, Jackson, Macon, McDowell*, Swain*, Tyrrell, Watauga)		W7	-	S2?	G5
<i>Platydictya subtilis</i>	A Moss				
CMP: bark at base of hardwoods, rarely on logs (Brunswick*, Clay*, Currituck, Durham*, Haywood, Surry, Watauga)		W7	-	S2?	G3G5
<i>Pohlia longicollis</i>	Long Neck Nodding Moss				
	W1	-		S2?	G4G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S. -	Rank N.C.	Global
M: rocks on cliffs, in crevices, on humus or soil (Jackson, Swain*, Yancey*)					
<i>Polytrichum appalachianum</i>	Appalachian Haircap Moss	W1	-	S3	G3
MP: rocky summits, mostly in high elevations (Ashe, Avery, Buncombe*, Burke*, Haywood*, Jackson, Macon*, Mitchell, Stokes, Transylvania*, Watauga, Yancey*)					
<i>Pterigynandrum filiforme</i>	Twisted Thread Moss	W7	-	SH	G4G5
M: mesic, acidic boulders and rock shelves (Buncombe*, Jackson*, McDowell*, Mitchell*, Swain*)					
<i>Pylaisiella polyantha</i>	Many-fruited Feather Moss	W1	-	S2?	G5
MP: on tree trunks and bases or logs (Forsyth*, Haywood, Mitchell*, Transylvania*)					
<i>Rauiella scita</i>	Smaller Fern Moss	W7	-	S2?	G3G5
M: on rocks, trees, logs (Alexander*, Alleghany*, Ashe*, Avery*, Haywood*, Jackson*, Macon*, McDowell*, Transylvania*, Watauga*, Wilkes*, Yancey*)					
<i>Sphagnum cimbriosum</i>	Florida Peatmoss	W7	-	S2?	G3T3
CS: in blackwater streams; ditches (Beaufort*, Bladen, Brunswick*, Carteret*, Craven, Duplin*, Sampson*)					
<i>Sphagnum fitzgeraldii</i>	Fitzgerald's Peatmoss	W1	-	S2S3	G3
C: pocosins and savannas (Bladen, Brunswick, Carteret, Craven, Duplin*, Onslow, Pamlico, Pender)					
<i>Sphagnum henryense</i>	Peatmoss	W1	-	S2S3	G4?
CMP: bogs (Alleghany, Anson, Beaufort, Bladen, Brunswick*, Carteret*, Craven, Cumberland, Gates*, Hyde, Iredell*, Jackson, Johnston*, Moore*, Onslow, Pender*, Richmond*, Robeson*, Sampson*, Scotland, Tyrrell)					
<i>Thuidium allenii</i>	Fernmoss	W7	-	S2?	G3G5
CP: on soil, logs, exposed roots, and tree bases in swamps, often just above water line (Bertie*, Bladen*, Brunswick*, Carteret*, Chatham*, Columbus, Craven*, Davie*, Durham*, Gates*, Granville*, Lenoir*, Pasquotank, Pender*, Tyrrell*, Wilkes)					
<i>Thuidium recognitum</i>	Hokkaido Fern Moss	W7	-	S2?	G5
MP: on moist soil, humus, or rocks, in calcareous habitats, in woodlands, in clearings (Ashe*, Madison*, McDowell*, Orange*, Randolph*, Watauga*, Yadkin*)					
<i>Tortella flavovirens</i>	Beach Moss	W7	-	S3	G4G5
T: dune swales (Brunswick, Carteret*, Dare, Hyde)					
<i>Tuerckheimia svihlae</i>	A Moss	W7	-	S2?	GNR
moist, calcareous rocks, stream margins in forests					
<i>Weissia muehlenbergiana</i>	A Moss	W7	-	S2?	G5

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
CP: soil among grasses, roadsides (Brunswick*, Davidson*, Durham*, Madison*, Mecklenburg*, New Hanover*, Orange*, Pender*, Wake) <i>Zygodon viridissimus</i> var. <i>rupestris</i> M: trunks of trees and on rocks (Avery*, Burke*, Caldwell*, Haywood, Jackson, Macon*, Mitchell, Swain*, Watauga*, Yancey*)	A Moss	W7	-	S2?	G5T5

Liverworts

<i>Barbilophozia attenuata</i> M: on rocks in spruce-fir forests (Avery*, Buncombe*, Haywood*, Transylvania*, Yancey*)	A Liverwort	W7	-	S2	G5
<i>Cephaloziella massalongi</i> M: high elevation rocky summits (Rutherford, Swain*)	A Liverwort	W7	-	S1	G3G5
<i>Cephaloziella obtusilobula</i> M: high elevation cliffs or other moist rocks (Burke*, Macon*, Rutherford)	Roundleaf Liverwort	W2	FSC	S1?	G1?Q
<i>Diplophyllum andrewsii</i> M: on soil or rocks on banks (Avery*, Buncombe*, Burke*, Graham*, Jackson, Macon*, McDowell*, Swain*, Yancey*)	A Liverwort	W7	-	S2	G3
<i>Diplophyllum taxifolium</i> var. <i>taxifolium</i> M: crevices and underledges of rock outcrops, mostly in spruce-fir forests at high elevations (Ashe*, Buncombe*, Burke*, Caldwell*, Clay*, Haywood*, Jackson*, Macon*, Mitchell*, Swain*, Transylvania*, Yancey*)	A Liverwort	W7	-	S2?	G5T5
<i>Dumontiera hirsuta</i> ssp. <i>nepalensis</i> M: in grottoes behind waterfalls in humid gorges (Graham*, Jackson*, Macon*, Rutherford)	A Liverwort	W1	-	S1	G5T5
<i>Frullania oakesiana</i> M: on bark of conifers or deciduous trees at high elevations (Avery*, Buncombe*, Haywood*, Jackson*, Macon*, McDowell*, Mitchell*, Swain*, Watauga*, Yancey*)	A Liverwort	W7	-	SH	G4
<i>Frullania plana</i> MP: on rock outcrops in gorges or near rivers (Burke*, Durham*, Graham*, Haywood*, Jackson*, Macon*, McDowell, Polk*, Stokes*)	A Liverwort	W7	-	SH	G4
<i>Lophozia capitata</i> CPM: in moist depressions in savannas or on clay-pans in the piedmont, rock outcrops (Durham*, Jones*, Onslow*, Orange*, Watauga)	A Liverwort	W7	-	S1	G4
<i>Mannia triandra</i> M: on limestone (McDowell*)	A Liverwort	W7	-	S1	G3G4
<i>Metzgeria furcata</i> var. <i>setigera</i>	A Liverwort	W7	-	S1?	G5T1

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
M: damp shaded rocks at high elevations in spruce-fir forests or in humid gorges (Caldwell*, McDowell, Swain*)					
<i>Metzgeria pubescens</i>	A Liverwort	W7	-	SH	G5
M: on bark of trees (Buncombe*, Swain*)					
<i>Metzgeria uncigera</i>	A Liverwort	W7	-	S1	G3
CTM: on bark in maritime forests or on rhododendron in mountain forests (Brunswick, Carteret*, Gates*, Graham*, Hyde*, New Hanover*, Pamlico*)					
<i>Pellia appalachiana</i>	A Liverwort	W7	-	S1	G4
MPC: on moist rock outcrops, usually near waterfalls, streams, or pools (Gaston, Graham, Macon*, Pender*, Transylvania, Wake*)					
<i>Plagiochila columbiana</i>	A Liverwort	W2	-	SH	GHQ
P: on thin soil over boulders on floodplains (Durham*, Orange*)					
<i>Plagiochila undata</i>	A Liverwort	W7	-	S2	G4G5
CMP: on rocks or bark (Anson*, Chatham*, Columbus*, Durham*, Madison*, McDowell*, Orange*, Polk*, Rutherford, Stanly*)					
<i>Plagiochila virginica</i> var. <i>euryphylla</i>	A Liverwort	W2	-	SH	G3THQ
M: rockfaces in the sprayzone of waterfalls (Transylvania*)					
<i>Porella japonica</i> ssp. <i>appalachiana</i>	A Liverwort	W3	-	SNR	G5?T1
M: on rocks in spray zones of waterfalls					
<i>Ptilidium pulcherrimum</i>	A Liverwort	W7	-	S1	G5
MP: on bark of trees in moist forests (Ashe, Avery*, Gaston, Haywood*, Mitchell*, Watauga*)					
<i>Radula tenax</i>	A Liverwort	W7	-	S2	G3G4
M: on moist rocks or bark in humid gorges and cove forests (Ashe*, Buncombe*, Burke*, Caldwell*, Jackson*, Macon*, Mitchell*, Swain*, Transylvania*, Watauga*, Yancey*)					
<i>Reboulia hemisphaerica</i> ssp. <i>dioica</i>	A Liverwort	W7	-	S1	G5T2?Q
M: in spray zone of waterfalls in humid gorges (Macon*, McDowell, Rutherford)					
<i>Riccia beyrichiana</i>	A Liverwort	W7	-	S1S2	G5
CP: moist soil and gravel (Bladen, Durham*, Orange*, Robeson*, Rutherford)					
<i>Ricciocarpus natans</i>	A Liverwort	W1	-	S1	G5
C: floating in shaded ponds or pools (Dare*)					

Hornworts

<i>Aspiromitus adscendens</i>	A Hornwort	W7	-	S2?	G3?
CP: old fields (Bladen*, Columbus*, Durham*, Jones*, Wilson*)					
<i>Notothylas orbicularis</i> var. <i>pseudotemperata</i>	A Hornwort	W2	-	SH	G5T1Q

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C. U.S.	Rank N.C. Global
C: damp mineral soil (Columbus*)			

Lichens					
<i>Cladonia evansii</i> C: sandhills (primarily near the coast) usually associated with <i>Quercus geminata</i> (Bladen, Brunswick, Carteret, Craven*, Jones, New Hanover, Onslow, Pender)	Powder-puff Lichen	W7	-	S2	G3G5
<i>Ochrolechia yasudae</i> M: on bark or rock (Ashe*, Buncombe*, Macon*)	Coral Saucer Lichen	W7	-	SH	G3G4
<i>Peltigera hydrothyria</i> MP: rocks and boulders in small streams	Waterfan Lichen	W1	-	S3	G3G5
<i>Platismatia glauca</i> M: on bark of spruce, fir, or hardwoods in the spruce-fir zone (Avery*, Haywood*, Jackson*, Swain*, Yancey*)	Varied Rag Lichen	W7	-	SH	G5
<i>Porpidia cinereoatra</i> M: high elevation rocky summits (Mitchell*)	A Crustose Lichen	W7	-	S1	G5?
<i>Porpidia macrocarpa</i> M: high elevation rocky summits (Mitchell*)	A Crustose Lichen	W7	-	S1?	G4
<i>Porpidia tuberculosa</i> M: high elevation rocky summits (Mitchell*)	A Crustose Lichen	W7	-	S1	G2G4
<i>Punctelia reddenda</i> M: on bark of hardwoods at high elevations (generally spruce-fir zone) (Buncombe*, Haywood*, Jackson*, Swain*, Yancey*)	A Foliose Lichen	W7	-	S2	G5

Watch Category 5A and 5B

Watch Category 5a and 5b. NC NHP does not actively maintain files on W5 species occurrences.

W5a - rare because of severe decline - species which have declined sharply in North Carolina, but which do not appear yet to warrant site-specific monitoring. Most species in this category have undergone declines of more than 50% (in many cases more than 90%) from their pre-Columbian status. Reasons for decline include exotic pests or pathogens, massive modification of the landscape, suppression of natural fires, and failure of reproduction. Because many of these species were once abundant or even dominant in parts of North Carolina, they may still be fairly common or frequently encountered, despite the strong decline. If current trends continue, however, many of these species will be threatened with extirpation in all or a major part of their ranges in North Carolina.

Watch Category 5b (Exploited Plants) These are generally widespread species, at least within their physiographic province, that are in commercial demand and are often collected and sold in high volume. Such high volume collection can cause local extirpation and is not sustainable in the long run. This category has been created to bring attention to the issue before commercial collection of these species gets to the point where these species become rare. Not included in this category are species that are already listed in other sections of this rare plant list. The NHP requests information on illegal collection incidents, but does not otherwise maintain files on W5b species occurrences.

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
<i>Actaea racemosa</i> MPC: rich cove forests, other mesic and moderately to very fertile forests	Common Black cohosh	W5B	-	S4	G4
<i>Aletris farinosa</i> CPM: pine savannas, pine flatwoods, seepage bogs, upland woodlands, roadbanks	White-tubed Colicroot	W5B	-	S5	G5
<i>Allium tricoccum</i> M: cove forests and mesic slope forests	Red Ramps	W5B	-	S4	G5
<i>Aristolochia serpentaria</i> PMC: dry to mesic forests	Virginia Snakeroot	W5B	-	S4	G4
<i>Chamaelirium luteum</i> MPSC: rich, mesic, wooded coves and slopes; and moist slopes, bottomlands, wet savannas	Devil's-bit	W5B	-	S5	G5
<i>Cimicifuga americana</i> M: rich cove forests and slopes, at moderate to high elevations	Mountain Black cohosh	W5B	-	S4	G4
<i>Cypripedium parviflorum var. pubescens</i> PM: rich, mesic forests	Large Yellow Lady's-slipper	W5B	-	S3	G5T5
<i>Galax urceolata</i> MPC: rocky woodlands, mountain forests, and rock outcrops	Galax	W5B	-	S5	G5
<i>Juglans cinerea</i> MP: cove forests, rich woods	Butternut	W5A	FSC	S2S3	G4
<i>Panax quinquefolius</i> MPS: cove forests, other rich forests	Ginseng	W5B-SC	-	S3S4	G3G4
<i>Sanguinaria canadensis</i> MPC: mixed deciduous forests and wooded slopes	Bloodroot	W5B	-	S5	G5
<i>Sarracenia flava</i> CSP: savannas, seepage bogs, and pocosins	Yellow Pitcher-plant	W5B	-	S3S4	G5?
<i>Sarracenia purpurea ssp. venosa</i> CP: wet savannas, sandhill seepage bogs	Southern Purple Pitcher-plant	W5B	-	S3	G5T3T5
<i>Sarracenia rubra ssp. rubra</i> C: sandhill seepage bogs, pocosins, wet savannas	Sweet Pitcherplant	W5B	-	S3	G4T3T4
<i>Trillium catesbeiae</i> PCM: bottomland forests, mesic slopes, cove forests, and alluvial woods	Catesby's Trillium	W5B	-	S4	G4
<i>Trillium cuneatum</i> PM: cove forests, moist slopes, and bottomlands; usually on circumneutral to basic soil	Little Sweet Trillium	W5B	-	S3	G4G5
<i>Trillium erectum</i> M: wooded slopes, usually at middle to high elevations	Stinking Benjamin	W5B	-	S5	G5
<i>Trillium grandiflorum</i> MP: rich coves and mesic slopes	Large-flower Trillium	W5B	-	S5	G5
<i>Trillium luteum</i> M: moist coves over mafic or calcareous rocks	Yellow Trillium	W5B	-	S2S3	G4
<i>Trillium sulcatum</i> No habitat information	Barksdale Trillium	W5B	-	S3	G4

Scientific Name Province: Habitat (Counties of occurrence)	Common Name	Status N.C.	U.S.	Rank N.C.	Global
<i>Trillium undulatum</i> M: acidic soils of ridges, slopes, and bog margins, mostly at high elevations	Painted Trillium	W5B	-	S4	G5
<i>Tsuga canadensis</i> MP: moist soils	Eastern Hemlock	W5A	FSC	S4S5	G4G5
<i>Tsuga caroliniana</i> MP: open forests on ridgetops, rocky bluffs, or gorge walls	Carolina Hemlock	W5A	FSC	S3	G3

Watch Category 6 (regionally rare) includes species which are rare in one region of North Carolina, while being uncommon to abundant within another region. These regional rarities, generally within-state disjuncts, are significant for protection of genetic variation and long-term viability of species.

A list of North Carolina's rare plants is determined by the political boundaries of the state. Biological rarity, however, is determined by the natural boundaries of physiography, geology, soils, and climate. These and other physical, biological, and historical factors have determined the evolutionary history and phytogeography of plants currently occupying what is now called "North Carolina." Rarity in one part of the state can have as much biological significance as disjunctions from another state. Disjunct populations nearly always have some level of genetic differentiation from populations in the main part of a species' range. If this genetic differentiation is great enough the disjunct population may be recognized as a separate species, subspecies, or variety. In many cases, however, the genetic differentiation is not great enough (or is not obvious enough with the relatively crude taxonomic tools which have been applied to most taxa) to have warranted the naming of a distinct taxon. Further study will likely show that many disjunct populations do warrant taxonomic status. Preservation of biodiversity requires not only preventing the extinction of species, but also maintaining genetic diversity within the species. The long-term viability of a species is dependent on the genetic diversity represented within and between different populations of the species. Disjunct and peripheral populations are especially likely to contain genetic material rare or absent in the bulk of the species' populations. Moreover, within-state disjunctions are likely to serve as indicators of regionally unique or unusual habitats. Attention to such species is especially important in county natural area inventories and regional planning.

The following list of Watch Category 6 plants is not exhaustive, but represents some of the most important and significant within-state disjunctions. Emphasis is placed on species which are disjunct rather than peripheral — that is, which have a demonstrable gap in their North Carolina ranges. Examples are *Rhododendron catawbiense*, which is rather common at high to medium elevations in the mountains, but occurs in small, disjunct populations in the lower Piedmont and upper Coastal Plain, and *Pogonia ophioglossoides*, a primarily Coastal Plain species, occurring in rare bogs in the mountains.

SANDHILLS

- Comptonia peregrina*
- Drosera rotundifolia*
- Leiophyllum buxifolium*
- Pinguicula caerulea*
- Pleea tenuifolia*
- Rhododendron catawbiense*
- Rhododendron minus*
- Magnolia tripetala*
- Pellaea atropurpurea*
- Platanthera lacera [= Habenaria lacera]*
- Stenanthium gramineum*
- Viola blanda*

COASTAL PLAIN

- Anemone quinquefolia*
- Aster cordifolius*
- Castilleja coccinea*
- Clematis ochroleuca*
- Clematis virginiana*
- Delphinium tricorne*
- Leiophyllum buxifolium*

Watch List Category 6 *continued*

MOUNTAINS

- Aristida virgata*
- Bartonia virginica*
- Brasenia schreberi*
- Calopogon tuberosus*
- Cardamine bulbosa*
- Chamaedaphne calyculata* [= *Cassandra calyculata*]
- Clematis crispa*
- Coreopsis gladiata*
- Cuscuta corylii*
- Eriocaulon compressum*
- Eriocaulon decangulare*
- Eryngium integrifolium*
- Gaylussacia dumosa*
- Justicia americana*
- Kalmia carolina* [= *K. angustifolia* var. *caroliniana*]
- Lespedeza angustifolia*
- Orontium aquaticum*
- Platanthera cristata* [= *Habenaria cristata*]
- Pogonia ophioglossoides*
- Pycnanthemum flexuosum*
- Rhynchospora gracilenta*
- Sabatia brachiata*
- Sium suave*
- Smilax laurifolia*
- Sphagnum cuspidatum*
- Sphagnum strictum*
- Sphagnum tenerum*
- Toxicodendron vernix* [= *Rhus vernix*]
- Triadenum virginicum* [= *Hypericum virginicum*]
- Utricularia biflora* [including *U. gibba*]
- Utricularia subulata*

PIEDMONT

- Aconitum uncinatum* [lower Piedmont only]
- Actaea pachypoda*
- Aralia nudicaulis*
- Aralia racemosa*
- Asplenium montanum* [lower Piedmont only]
- Berchemia scandens*
- Campanulastrum americanum* [= *Campanula a.*]
- Carex torta*
- Cornus alternifolia*
- Dicentra cucullaria*
- Dryopteris intermedia*
- Eleocharis microcarpa*
- Eryngium integrifolium*
- Hydrophyllum canadense*
- Hydrophyllum virginianum*
- Lachnocaulon anceps*
- Diphasiastrum tristachyum* [= *Lycopodium t.*]
- Magnolia virginiana*
- Micranthes micranthidifolia* [= *Saxifraga m.*]
- Myrica heterophylla*
- Paronychia argyrocoma*
- Phalaris arundinacea*
- Pieris floribunda*
- Pinus strobus* [lower Piedmont only]
- Platanthera flava* var. *flava* [= *Habenaria f.* var. *f.*]
- Pogonia ophioglossoides*
- Rhododendron catawbiense*
- Rhynchospora chalarocephala*
- Salix humilis*
- Sarracenia flava*
- Sarracenia purpurea*
- Eriocaulon compressum*
- Scirpus pungens* [= *S. americanus*]
- Sium suave*
- Smilax laurifolia*
- Symplocarpus foetidus*
- Tsuga canadensis* [lower Piedmont only]
- Xyris baldwiniana*
- Xyris curtissii*
- Xyris jupicai*

PLANT TAXA ENDEMIC TO NORTH CAROLINA

Scientific Name	Common Name	Rank		Status	
		N.C.	U.S.	N.C.	U.S.
<i>Allium sp. 1</i>	Savanna Onion	S1S2	G1G2	SR-L	FSC
<i>Carex lutea</i>	Golden Sedge	S2	G2	E	E
<i>Cladonia psoromica</i>	Bluff Mountain Reindeer Lichen	S1	G1	SR-L	FSC
<i>Crataegus pallens</i>	Pale Hawthorn	S1S2	G1G2	SR-L	N/A
<i>Gaylussacia orocola</i>	Appalachian Dwarf Huckleberry	S1	G1	SR-L	N/A
<i>Hudsonia montana</i>	Mountain Golden-heather	S1	G2	E	E
<i>Hypericum sp. 1</i>	Radford's St. John's-wort	S2	G2	SR-L	FSC
<i>Isoetes microvela</i>	Quillwort	S1	G1	SR-L	FSC
<i>Lejeunea glaucescens var. acrogyna</i>	Raven Rock Liverwort	SH	G5TH	SR-L	N/A
<i>Liatris helleri</i>	Heller's Blazing-star	S2	G2	T-SC	T
<i>Narthecium montanum</i>	Appalachian Bog Asphodel	SX	GX	SR-L	N/A
<i>Orbexilum macrophyllum</i>	Bigleaf Scurfpea	SX	GX	E	FSC
<i>Rhododendron vaseyi</i>	Pink Shell Azelea	S3	G3	SR-L	N/A
<i>Scleria sp. 1</i>	Smooth-seeded Hairy Nutrush	S1	G1	SR-L	FSC
<i>Shortia galacifolia var. brevistyla</i>	Northern Oconee Bells	S2	G2T2	E	FSC
<i>Solidago plumosa</i>	Yadkin River Goldenrod	S1	G1	E	C
<i>Solidago villosicarpa</i>	Coastal Goldenrod	S1	G1	E	FSC
<i>Symphyotrichum rhiannon</i>	Buck Creek Aster	S1	G1	SR-L	FSC

POTENTIAL NEW TO NORTH CAROLINA PLANTS

The following list is of species not currently known to occur in North Carolina, but which are considered to have some possibility of being found in North Carolina, based on their currently known range and habitat preferences. Most are species which occur in the adjacent states of South Carolina, Georgia, Tennessee, or Virginia, in habitats at least relatively similar to habitats known to exist in North Carolina. The purpose of this list is to foster understanding of the flora of North Carolina by challenging botanists to find new state records; this list should give field investigators an idea of some of the species that may be native components of North Carolina's flora. While some of these species may have relatively remote chances of being found in North Carolina, the likelihood of finding new state records is greatly increased by being aware of the possibilities and by species-directed searching. State records of native vascular plants are being found at the rate of about five per year. Our knowledge of North Carolina's flora is still imperfect, and many natural areas are being destroyed before they can be investigated; certainly a number of native species have been extirpated from North Carolina before they were ever documented as occurring in the state.

Following each species is the North Carolina province in which the species is considered most likely to be found. Where possible, a description of the typical habitat of the species in the vicinity of North Carolina is also given. Sometimes, the nearest known occurrence(s) to North Carolina are also listed, with the distance from North Carolina in number of counties in brackets. For instance [1] indicates that the species has been reported from a county immediately adjacent to North Carolina; [5] indicates that the species has been reported from a county five counties away from the North Carolina border. An average county width in and around North Carolina is about 25 miles, so[5] indicates an approximate distance from North Carolina of 100-125 miles. While distance from the state is an interesting piece of information, it is probably a poor indicator of the probability of occurrence in North Carolina, since long distance disjunctions to the mountains (from the north) and to the coastal plain (from the south) are frequent. In the coming years, some of the species on this list will almost certainly be added to the flora of North Carolina.

- Agalinis auriculata* P (mafic glades) – SC: York [1]
Aletris obovata - C (savannas) – SC: Beaufort [4]
Alnus incana ssp *rugosa* - M (moist mountain slopes) – VA: Nelson [4]
Amphianthus pusillus - P (pools on granitic flatrocks) – SC: Lancaster [1]
Anemone canadensis - M – VA: Rockingham [5]
Antennaria virginica - MP (rock outcrops) – VA: Carroll, Patrick [1]
Aralia hispida - M (dry rocky woods) – VA: Augusta [4]
Armoracia lacustris - C (shallow water) – VA: Southampton [1]
Asclepias cinerea - C (savannas) – SC: Hampton & Jasper [5]
Asclepias michauxii - C (savannas and pinelands) – SC: Williamsburg & Florence [2]
Asclepias obovata - C (sandy pinelands) – SC: Charleston [3]
Asclepias perennis - C (swamp forests) – SC: Marion [2]
Asplenium septentrionale - M (rock outcrops) – WV: Monroe [4]
Asplenium trichomanes ssp *quadrivalens* - MP (calcareous outcrops) – VA: Giles [3]
Asplenium x trudellii - PM (moist cliffs, acidic outcrops and bluffs) – VA: Lee, Pittsylvania [1]
Astragalus distortus - P (glades, dry shaly places) – VA: Pittsylvania [1]
Baptisia perfoliata - SC (sandhills) – SC: Lexington [4]
Batis maritima - C (salt and brackish marshes) – SC: Charleston [3]
Berlandiera pumila - S (sandy woods and fields) – SC: Chesterfield, Darlington [1]
Bothriochloa saccharoides - M (dry openings) - TN
Bouteloua curtipendula - PM (calcareous or mafic glades) – VA: Montgomery, Pulaski [2]
Bromus kalmii - M – VA: Augusta, Bath [4]
Carex brevior (*C. molesta*) - M (dry woods) – VA: Wythe [2]
Carex conjuncta - MC (mesic woods) – VA: Russell, Southampton [1]
Carex pallescens - M (grassy balds) – TN: Unicoi [1]
Carex polymorpha - M (dry upland woods or wetland margins) – VA: Augusta [4]
Carex sp. 3 - M (rich cove forests) – SC: Oconee, Pickens [1]
Ceratiola ericoides - CS (sandhills) – SC: Horry [1]
Chamaecrista nictitans var. *aspera* - C (savannas) – SC: Charleston [3]

Cheilanthes castanea - MP (dry, shaly outcrops) – VA: Carroll, Pittsylvania, Pulaski, Montgomery [1]
Cheilanthes feei - M (calcareous outcrops) – VA: Pulaski [2]
Cimicifuga rubifolia - M (cove forests) – VA: Scott [2]
Clematis reticulata - C - (dry sandy woods) – VA: Darlington [2]
Collinsia verna - M - (rich moist woods) – VA: Smyth [2]
Coreopsis integrifolia - C (creekbanks and floodplains) – SC: Berkeley [3]
Coreopsis rosea - C (drawdown zones of blackwater rivers, limesink ponds, Carolina bays) – SC: Horry [1]
Cornus canadensis - M (mountain forests) – VA: Albemarle, Bath [4]
Cornus rugosa - M – VA: Craig, Giles [3]
Cypripedium kentuckiense - M (forests) - TN, KY, VA
Dasistoma macrophylla - P (glades) – SC: York [1]
Delphinium carolinianum - P (glades) – SC: Lancaster [1]
Desmodium floridanum - C - (dry sandy areas) – SC: Beaufort, Jasper [4]
Dioscorea floridana - C (moist woods) – SC: Williamsburg [3]
Draba aprica - P (granite outcrops) – SC: Lancaster [1]
Dyschoriste humistrata - C (moist forests) – SC: Charleston [3]
Dyschoriste oblongifolia - C (savannas) – SC: Orangeburg [4]
Elephantopus elatus - C (dry pinelands) – SC: Charleston [3]
Ellisia nyctelea - P (bottomlands, forest) – VA: Pittsylvania [1]
Elytraria caroliniensis - C (low marly forests) – SC: Berkeley [3]
Equisetum fluviatile - M (wet places, shallow water) – VA: Augusta [4]
Equisetum sylvaticum - M (moist forests) – VA: Shenandoah [6]
Eriocaulon ravenelii - C (savannas) – SC: Berkeley [3]
Erythronium americanum ssp *harperi* - M (moist forests) – TN: Polk [1]
Eupatorium scabridum - C (savannas) - SC
Floerkea proserpinacoides - P (rich moist woods) – VA: Fauquier [8]
Galactia elliottii - C (low moist areas) – SC: Beaufort, Jasper [4]
Galium boreale - M (moist forests) – VA: Scott, Wythe [2]
Galium concinnum - M (dry forests) – VA: Giles, Smyth [2]
Gaura filipes - CS (sandy areas) – SC: Kershaw, Williamsburg [2]
Gaylussacia brachycera - MP (dry acidic woodlands) – VA: Carroll [1]
Gaylussacia mosieri - CS (seepages, savannas) – SC: Lexington [3]
Gleditsia aquatica - C (swamp forests) – SC: Williamsburg [3]
Glyceria acutiflora - M (wet openings) – VA: Wythe [2]
Glyceria canadensis (sensu stricto, non RAB) - M (high elevation seeps) - VA
Glyceria grandis - MC – VA: Floyd, James City [2]
Habenaria quinqueseta - C (wet pinelands and forests) – SC: Berkeley, Charleston [3]
Honckenya peploides ssp *robusta* - C (beaches and dunes) – VA: Accomack [3]
Houstonia canadensis - M (rocky woods and outcrops) – VA: Pulaski, Washington, Wythe [2]
Hudsonia ericoides - S (sandhills) – SC: Chesterfield [1]
Hydrolea corymbosa – C (pond cypress savannas, depression meadows) - SC
Hypericum harperi - C (clay-based Carolina bays) – SC: Barnwell [5]
Isoetes macrospora - M (shoals in cold streams) - TN
Juncus brachycephalus - M (wet meadows) - GA; VA: Giles [3]
Juncus gerardii - C (margins of brackish marshes) – VA: Chesapeake City [1]
Kalmia hirsuta - C (savannas, pocosin edges) – SC: Beaufort, Colleton [4]
Liatris gracilis - CSP (pinelands, dry woodlands) – SC: Colleton, Laurens [2]
Liatris tenuifolia - S (sandhills) – SC: Chesterfield, Lancaster, Marlboro [1]
Linnaea borealis - M (high elevation forests) - TN [1]
Lithospermum carolinense - C (sandhills) – VA: Isle of Wight; SC: Calhoun, Lexington [2]
Ludwigia spathulata - C (clay-based Carolina bays) – SC: Aiken, Lexington [4]
Lycopodium annotinum - M (moist, high elevation forests) – VA: Grayson [1]
Magnolia pyramidata - P (rich woods) – SC: Richland [3]
Maianthemum stellatum (= *Smilacina stellata*) - M – VA: Bedford; TN [2]
Micranthemum micranthemoideum - C (tidal marshes) – VA: Charles City [4]
Minuartia cumberlandensis - M (rock outcrops) - TN
Minuartia patula - PM (mafic or calcareous glades and outcrops) – VA: Rockbridge [3]
Nolina georgiana - S (sandhills) – SC: Kershaw [2]

Ophioglossum engelmannii - MP (glades over calcareous or mafic rocks) – VA: Montgomery [3]
Ophioglossum pusillum - M (moist areas) - VA
Opuntia stricta var *dillenii* - C (dunes) – SC: Charleston [3]
Opuntia stricta var *stricta* - C (dunes) – SC: Charleston [3]
Oryzopsis racemosa - MP (dry woods) – VA: Patrick [1]
Osmunda cinnamomea var *glandulosa* - C (marshes, swamps) - VA
Paronychia virginica var *virginica* - M (calcareous rock outcrops) – VA: Wythe [2]
Paspalum plicatulum – C (pine savannas, fields) - SC
Pellaea glabella ssp *glabella* - M (limestone outcrops) – VA: Wythe [2]
Pieris phillyreifolia - C (blackwater swamps, pocosins) – SC: Charleston [3]
Pilularia americana - PM (muddy wet places, granite outcrops, pond margins) - TN, GA
Pinus glabra - C (bottomland forests) – SC: Georgetown [2]
Pityopsis ruthii - M (riverside outcrops) – TN: Polk [1]
Plantago maritima - C (salt marshes) – VA: Accomack [3]
Platanthera leucophaea - M (damp calcareous meadows) – VA: Augusta [4]
Poa wolfii - M (moist forests) – VA: Rockingham [5]
Polygonella gracilis - SC (sandhills)
Pseudo taenidia montana - MP (dry shaly woods) – VA: Bedford, Roanoke [3]
Pyrola chlorantha - M (dry forests) – VA: Page [6]
Pyrola secunda - MP (moist forests) – VA: New Kent [5]
Quercus similis - C (wet stream bottoms, flatwoods) - SC [3 or 4]
Quercus sinuata (*durandii*) - C (hills and streambanks) - SC
Quercus georgiana - P (granitic outcrops) – SC: Kershaw, Spartanburg [1]
Quercus oglethorpeensis - CP (low woods) – SC: Greenwood, Saluda [4]
Ratibida pinnata - P (diabase glades) – SC: York [1]
Rhamnus lanceolata - M (moist calcareous woodlands) – VA: Pulaski [2]
Rhynchospora knieskernii - CS (peaty bogs) - NJ
Rhynchospora saxicola - P (granitic flatrocks) - GA, SC?
Ribes americanum - M (moist forests) – VA: Rockbridge [3]
Ribes echinellum - P (rich woods) – SC: McCormick [4]
Ribes lacustre - M (moist forests) – VA: Bath [4]
Rosa obtusiuscula - M (riverbank)- TN: Cocke [1]
Sabatia bartramii (= *S. dodecan dra* var *coriacea*) - C (pine savannas) – SC: Hampton [6]
Sabatia brevifolia - C (savannas) – SC: Berkeley [3]
Sabatia dodecandra var *foliosa* - C (freshwater wetlands, ditches, streambanks) – SC: Marion [2]
Sagittaria rigida - PM (swamps and ponds) – VA: Nelson [4]
Schizachne purpurascens - M (dry rocky woods) – VA: Highland [5]
Scirpus ancistrochaetus - M (temporary ponds) - VA
Scirpus verecundus - P (mesic banks and bluffs) – VA: Grayson, Halifax, Pittsylvania [1]
Scutellaria incana var *incana* - M (rocky woodlands) – WV: Mercer [4]
Scutellaria montana - M (rocky woodlands) - GA, TN
Scutellaria multiglandulosa - P (woodlands) – SC: Anderson [2]
Scutellaria parvula (sensu stricto, non RAB) -P (dry rocky openings) - VA
Sedum nevii (sensu stricto) - M (rock outcrops) – TN: Polk
Smilax pumila - C (moist, maritime hardwood forests) – SC: Horry [1]
Solidago hispida - M (calcareous woodlands) - TN; GA: Walker [4]
Sparganium androcladum - MC (ponds and streams) - TN; VA: Virginia Beach city [1]
Sparganium eurycarpum - MC (ponds and streams) – VA: Pulaski [2]
Sporobolus curtissii - C (savannas) - GA
Sporobolus neglectus - M (mafic glades) – VA: Lee, Montgomery [3]
Stillingia aquatica - C (clay-based Carolina bays) – SC: Allendale, Barnwell, Hampton [6]
Suaeda maritima - C (salt marshes) - VA, FL
Sullivantia sullivantii - M (cliffs)- VA: Russell [2]
Thalictrum mirabile - M (cliff bases) - KY, TN
Toxicodendron radicans ssp *negundo* - M - VA, WV
Toxicodendron rydbergii - M - VA, WV
Trillium cernuum (sensu stricto, non RAB) - M (wet woods) – VA: Fauquier, Rappahannock [7]
Trillium decumbens - M (rich woods) - TN; GA: Pickens & Murray [2]

Trillium lancifolium - P (rich forests) – SC: Kershaw [2]
Trillium maculatum - PC (rich forests) – SC: Berkeley [3]
Trillium nivale - M (moist calcareous forests) – VA: Highland [5]
Trillium persistens - MP (acid woods under hemlock) - SC; GA: Rabun [1]
Trillium reliquum - PC (rich river bluffs) – SC: Aiken [5]
Urtica gracilis - M (limestone outcrops) – VA: Giles [3]
Uvularia floridana - C (alluvial forests) – SC: Berkeley, Charleston [3]
Vaccinium angustifolium - M (forests and woodlands) – VA: Montgomery, Pulaski, Wythe [2]
Vaccinium myrtilloides - M (forests and bogs) – VA: Pulaski, Roanoke [1]
Vaccinium oxycoccus - M (bogs) – WV: Pocahontas [6]
Vaccinium sempervirens - SC (sphagnous seeps, savannas) – SC: Lexington [4]
Vernonia angustifolia var *scaberrima* - C (pinelands) – SC: Marion [2]
Vernonia pulchella - SC (pinelands)
Veronica scutellata - M (swamps and bogs) – VA: Carroll, Grayson [1]
Viburnum obovatum - C (moist forests) – SC: Horry [1]

RARE LIST ADDITIONS

Scientific Name	New N.C. Status	Former N.C. Status	N.C. Rank (Srank)	Global Rank (Grank)
<i>Boltonia asteroides</i>	SR-O	W7	S2	G5
<i>Callitricha terrestris</i>	SR-O	W7	S2?	G5
<i>Carex emmonsii</i>	SR-O	W7	S2	G5T5
<i>Clematis catesbyana</i>	SR-P	W7	S2	G4G5
<i>Corallorrhiza wisteriana</i>	SR-O	W7	S2	G5
<i>Coreopsis grandiflora</i> var. <i>grandiflora</i>	SR-O	N/A	S1	G5T4T5
<i>Coreopsis helianthoides</i>	SR-P	W7	S1S2	G3G4q
<i>Dichanthelium boreale</i>	SR-P	W7	S1	G5
<i>Echinacea pallida</i>	SR-D	W4	S1	G4
<i>Eurybia spectabilis</i>	SR-O	W7	S2?	G5
<i>Leersia lenticularis</i>	SR-P	W7	S2S3	G5T5
<i>Lupinus villosus</i>	SR-P	W7	S2	G5
<i>Oplismenus hirtellus</i> ssp. <i>setarius</i>	SR-P	W7	S1	G5
<i>Pycnanthemum curvipes</i>	SR-T	N/A	S1	G3
<i>Pycnanthemum setosum</i>	SR-T	W7	S2	G4
<i>Quercus elliotii</i>	SR-P	W7	S2	G3G5
<i>Quercus minima</i>	SR-P	W3	S1	G5
<i>Rhynchospora microcarpa</i>	SR-P	W7	S2	G5
<i>Sclerolepis uniflora</i>	SR-T	W7	S2	G4

WATCH LIST ADDITIONS

Scientific Name	New N.C. Status	Former N.C. Status	U.S. Status	N.C. Rank (Srank)	Global Rank (Grank)
<i>Aronia prunifolia</i>	W1	N/A	N/A	S2	G4G5Q
<i>Bigelowia nudata</i> ssp. <i>australis</i>	W7	N/A	N/A	S1	G5T4T5
<i>Brachythecium velutinum</i>	W7	N/A	N/A	S1?	G5
<i>Callirhoe triangulata</i>	W7	N/A	N/A	SH	G3
<i>Cerastium nutans</i>	W7	N/A	N/A	S3?	G5
<i>Comptonia peregrina</i>	W1	N/A	N/A	S3	G5
<i>Cuthbertia rosea</i>	W7	N/A	N/A	S1?	G5
<i>Cynanchum laeve</i>	W7	N/A	N/A	S1	G5
<i>Cynodontium schisti</i>	W7	N/A	N/A	S1	G3G5
<i>Desmodium cuspidatum</i> var. <i>cuspidatum</i>	W7	N/A	N/A	S2?	G5T5?
<i>Diphyscium mucronifolium</i>	W7	N/A	N/A	S1?	G4
<i>Isotria verticillata</i>	W1	N/A	N/A	S2?	G5T5
<i>Lespedeza frutescens</i>	W7	N/A	N/A	S2	G5
<i>Leucospora multifida</i>	W4	N/A	N/A	SNA	G5
<i>Oenothera fruticosa</i> var. <i>unguiculata</i>	W7	N/A	N/A	S2	G3?Q
<i>Paronychia fastigiata</i> var. <i>fastigiata</i>	W7	N/A	N/A	S1S2	G5T5
<i>Riccia beyrichiana</i>	W7	N/A	N/A	S1S2	G5
<i>Scutellaria mellichampii</i>	W7	N/A	N/A	SH	G5T3T4
<i>Sisyrinchium montanum</i> var. <i>crebrum</i>	W7	N/A	N/A	S1?	G5T4T5
<i>Tradescantia hirsuticaulis</i>	W7	N/A	N/A	S1	G5

Scientific Name	New N.C. Status	Former N.C. Status	U.S. Status	N.C. Rank (Srank)	Global Rank (Grank)
<i>Trillium sulcatum</i>	W5B	N/A	N/A	S3	G4
<i>Tsuga canadensis</i>	W5A	N/A	FSC	S4S5	G4G5
<i>Verbena hastata</i>	W7	N/A	N/A	S2S3	G5
<i>Verbesina virginica var. virginica</i>	W7	N/A	N/A	S2	G5?
<i>Viola labradorica</i>	W7	N/A	N/A	S2?	G5
<i>Viola tripartita</i> var. <i>glaberrima</i>	W7	N/A	N/A	S2?	G5
<i>Viola tripartita</i> var. <i>tripartita</i>	W7	N/A	N/A	S2?	G5

TAXA REMOVED FROM RARE AND WATCH LISTS SINCE 2006

Scientific Name	New N.C. Status	Former N.C. Status	N.C. Rank (Srank)	Global Rank (Grank)
<i>Agalinis aphylla</i>	W1	SR-P	S3	G3G4
<i>Calystegia catesbeiana</i>	W1	SR-T	S3	G3
<i>Carex biltmoreana</i>	W1	SR-L	S3	G3
<i>Carex corrugata</i>	N/A	W7	S3	G5?
<i>Carex floridana</i>	N/A	W7	S3	G5?
<i>Collinsonia serotina</i>	N/A	W7	SNA	G3G5
<i>Coreopsis latifolia</i>	W1	SR-T	S3	G3
<i>Cylindrocolea andersonii</i>	N/A	W2	SNA	G1Q
<i>Dioscorea villosa</i> var. <i>hirsuticaulis</i>	N/A	W2	SNA	G4G5T3Q
<i>Fuirena scirpoidea</i>	N/A	W3	SH?	G5
<i>Helianthus glaucocephalus</i>	N/A	W1	S3	G3G4
<i>Huperzia appressa</i>	W1	SR-P	S2	G4G5
<i>Hydrocotyle americana</i>	N/A	W7	S3	G5T5
<i>Hydrothyria venosa</i>	W1	SR-P	S3	G4G5
<i>Juncus gymnocarpus</i>	N/A	W1	S3	G4
<i>Kalmia cuneata</i>	W1	SR-L	S3	G3
<i>Krigia montana</i>	N/A	W1	S3	G3
<i>Lathyrus japonicus</i> var. <i>pellitus</i>	N/A	W3	SNR	G5T4T5
<i>Lonicera flava</i>	W1	SR-P	S3	G5?
<i>Nestronia umbellula</i>	N/A	W1	S3	G4
<i>Oxypolis ternata</i>	N/A	W1	S3	G3
<i>Packera obovata</i>	N/A	W1	S3	G5
<i>Prosartes maculata</i>	N/A	W1	S3	G3G4
<i>Psilotum nudum</i>	W4	SR-D	SNA	G5
<i>Rhexia cubensis</i>	W1	SR-P	S3	G4G5
<i>Rhynchospora scirpoidea</i>	W1	SR-O	S3	G4
<i>Scleria georgiana</i>	W1	SR-P	S3	G4
<i>Sibbaldiopsis tridentata</i>	N/A	W1	S3	G5
<i>Smilax biltmoreana</i>	N/A	W1	S3	G4?
<i>Stellaria alsine</i>	W1	SR-P	S3?	G5
<i>Streptopus roseus</i> var. <i>roseus</i>	N/A	W7	S3	G5T5?
<i>Trichomanes intricatum</i>	N/A	W7	S3	G4G5

Scientific Name	New N.C. Status	Former N.C. Status	N.C. Rank (Srank)	Global Rank (Grank)
<i>Tridens carolinianus</i>	W1	SR-T	S3	G3G4
<i>Vittaria appalachiana</i>	N/A	W7	S3	G4
<i>Xerophyllum asphodeloides</i>	N/A	W1	S3	G4
<i>Zanthoxylum americanum</i>	N/A	W3	SNA	G5

NAME CHANGES SINCE 2006 RARE LIST PUBLICATION

Changed From

Arabis glabra
Arabis hirsuta var. *adpressipilis*
Arabis missouriensis
Arabis patens
Baptisia bracteata var. *bracteata*
Baptisia minor var. *aberrans*
Botrychium jenmanii
Botrychium lunarioides
Botrychium multifidum
Botrychium oneidense
Brachyelytrum septentrionale
Calystegia catesbeiana ssp *sericata*
Cladina evansii
Eupatorium incarnatum
Gaylussacia dumosa var. *bigeloviana*
Grammitis nimbata
Helianthemum bicknellii
Helianthemum carolinianum
Helianthemum corymbosum
Helianthemum georgianum
Helianthemum nashii
Helianthemum propinquum
Helianthemum rosmarinifolium
Helianthus occidentalis
Hydrothyria venosa
Hypericum buckleyi
Lotus helleri
Oligoneuron rigidum var. *glabratum*
Oligoneuron rigidum var. *rigidum*
Oxypolis ternata
Packera sp. 1
Pyxidanthera barbulata var. *brevifolia*
Rhynchospora globularis var. *pinetorum*
Saxifraga careyana
Saxifraga caroliniana

Changed To

Turritis glabra
Arabis pycnocarpa var. *adpressipilis*
Boechera missouriensis
Boechera patens
Baptisia bracteata
Baptisia australis var. *aberrans*
Sceptridium jenmanii
Sceptridium lunarioides
Sceptridium multifidum
Sceptridium oneidense
Brachyelytrum aristosum
Calystegia catesbeiana
Cladonia evansii
Fleischmannia incarnata
Gaylussacia bigeloviana
Micropolypodium nimbatum
Crocanthemum bicknellii
Crocanthemum carolinianum
Crocanthemum corymbosum
Crocanthemum georgianum
Crocanthemum nashii
Crocanthemum propinquum
Crocanthemum rosmarinifolium
Helianthus occidentalis var. *dowellianus*
Peltigera hydrothyria
Hypericum buckleii
Acmispon helleri
Solidago rigida var. *glabrata*
Solidago rigida var. *rigida*
Oxypolis denticulata
Packera crawfordii
Pyxidanthera brevifolia
Rhynchospora pinetorum
Micranthes careyana
Micranthes caroliniana

Changed From	Changed To
<i>Saxifraga micranthidifolia</i>	<i>Micranthes micranthidifolia</i>
<i>Saxifraga pensylvanica</i>	<i>Micranthes pensylvanica</i>
<i>Scutellaria ovata</i> ssp. <i>ovata</i>	<i>Scutellaria ovata</i> ssp. <i>ovata</i> var. <i>ovata</i>
<i>Sebastiania fruticosa</i>	<i>Ditrysinia fruticosa</i>
<i>Sphagnum macrophyllum</i> var. <i>floridanum</i>	<i>Sphagnum cibrosum</i>
<i>Spiraea betulifolia</i> var. <i>corymbosa</i>	<i>Spiraea corymbosa</i>
<i>Stenanthium robustum</i>	<i>Stenanthium gramineum</i> var. <i>robustum</i>
<i>Talinum mengesii</i> (name retained by NC PCP)	<i>Phemeranthus</i> sp. 1 (name changed only at NHP)
<i>Tofieldia glutinosa</i>	<i>Triantha glutinosa</i>
<i>Triphora trianthophora</i>	<i>Triphora trianthophoros</i> var. <i>trianthophoros</i>
<i>Waldsteinia fragarioides</i> var. <i>fragarioides</i>	<i>Geum fragarioides</i>
<i>Waldsteinia lobata</i>	<i>Geum lobatum</i>
<i>Xyris difformis</i> var. <i>floridana</i>	<i>Xyris floridana</i>
<i>Zigadenus elegans</i> ssp. <i>glaucus</i>	<i>Anticlea glauca</i>
<i>Zigadenus leimanthoides</i>	<i>Stenanthium leimanthoides</i>

Taxonomy in this publication generally follows Weakley, A. S. *Flora of the Carolinas, Virginia, Georgia, Northern Florida, and Surrounding States. Working draft of 7 April 2008. University of North Carolina Herbarium (NCU), NC Botanical Garden, University of North Carolina, Chapel Hill, North Carolina.*

**APPENDIX A – PLANT CONSERVATION PROGRAM PROPOSED LIST OF ENDANGERED,
THREATENED, AND SPECIAL CONCERN SPECIES**

The following list summarizes the proposed PCP list of protected species approved by the PCP Board in August 2008. At the time of publication of the NHP list, these proposed changes were in the rule-making process and were not yet official. For more information about the proposed changes, read the “Introduction for 2008 List” beginning on page 3 of this document. Comments about the proposed changes should be directed to PCP staff. For the most up to date list of protected plants, laws, regulations, and staff contact information, visit the Plant Conservation Program website, www.noplant.com.

The categories SC-V and SC-H are proposed new status categories, and will be defined by PCP when the rules take effect. SC-V=Special Concern Vulnerable and SC-H=Special Concern Historical

Scientific Name	Common Name	Proposed Status	Current State Status
<i>Acrobolbus ciliatus</i>	A Liverwort	SC-V	SR-D
<i>Adiantum capillus-veneris</i>	Venus Hair Fern	T	E
<i>Adlumia fungosa</i>	Climbing Fumitory	SC-V	SR-P
<i>Aeschynomene virginica</i>	Sensitive Jointvetch	T	T
<i>Agalinis virgata</i>	Branched Gerardia	T	SR-P
<i>Agrostis mertensii</i>	Arctic Bentgrass	E	E
<i>Allium cuthbertii</i>	Striped Garlic	T	SR-T
<i>Alnus viridis ssp. crispa</i>	Green Alder	SC-V	SR-D
<i>Amaranthus pumilus</i>	Seabeach Amaranth	T	T
<i>Amorpha georgiana var. confusa</i>	Savanna Indigo-bush	T	T
<i>Amorpha georgiana var. georgiana</i>	Georgia Indigo-bush	E	E
<i>Amphicarpum muehlenbergianum</i>	Florida Goober Grass	E	E
<i>Andropogon mohrii</i>	Bog Bluestem	T	SR-P
<i>Anemone berlandieri</i>	Southern Anemone	E	SR-P
<i>Anemone caroliniana</i>	Prairie Anemone	E	SR-P
<i>Arabis pycnocarpa var. adpressipilis</i>	Hairy Rockcress	E	SR-P
<i>Arethusa bulbosa</i>	Bog Rose	E	E
<i>Aristida condensata</i>	Big Three-awn Grass	T	SR-P
<i>Aristida simpliciflora</i>	Chapman's Three-awn	E	SR-T
<i>Arnoglossum ovatum</i>	Savanna Indian-plantain	E	SR-P
<i>Asclepias pedicellata</i>	Savanna Milkweed	SC-V	SR-P
<i>Asplenium heteroresiliens</i>	Carolina Spleenwort	E	E
<i>Asplenium monanthes</i>	Single-sorus Spleenwort	E	E
<i>Asplenium ruta-muraria</i>	Wall-rue Spleenwort	SC-V	SR-P
<i>Astragalus michauxii</i>	Sandhills Milk-vetch	SC-V	T
<i>Baccharis glomeruliflora</i>	Silverling	SC-H	SR-P
<i>Bacopa caroliniana</i>	Blue Water-hyssop	T	SR-P
<i>Bacopa innominata</i>	Tropical Water-hyssop	SC-H	SR-P
<i>Balduina atropurpurea</i>	Purple-disk Honeycomb-head	SC-H	SR-T
<i>Baptisia alba</i>	Thick-pod White Wild Indigo	T	SR-P
<i>Baptisia albescens</i>	Thin-pod White Wild Indigo	SC-V	SR-P
<i>Baptisia bracteata</i>	Creamy Wild Indigo	SC-H	SR-P
<i>Baptisia minor var. aberrans</i>	Prairie Blue Wild Indigo	E	T
<i>Berberis canadensis</i>	American Barberry	SC-V	SR-T
<i>Betula cordifolia</i>	Mountain Paper Birch	SC-V	SR-D
<i>Boechera missouriensis</i>	Missouri Rockcress	SC-V	SR-P
<i>Boechera patens</i>	Spreading Rockcress	T	SR-T
<i>Bryocrumia vivicolor</i>	Gorge Moss	SR	E
<i>Buchnera americana</i>	American Bluehearts	SC-H	SR-P
<i>Buckleya distichophylla</i>	Piratebush	T	E

Scientific Name	Common Name	Proposed Status	Current State Status
<i>Bulbostylis warei</i>	Ware's Hair Sedge	SC-H	SR-P
<i>Calamagrostis cainii</i>	Cain's Reed Grass	E	E
<i>Calopogon multiflorus</i>	Many-flower Grass-pink	E	E
<i>Caltha palustris</i>	Marsh-marigold	E	SR-P
<i>Camassia scilloides</i>	Wild Hyacinth	T	T
<i>Campanula rotundifolia</i>	Bluebells	E	SR-P
<i>Campylium stellatum</i>	Yellow Starry Fen Moss	SC-V	SR-D
<i>Canoparmelia amabilis</i>	Worthy Shield Lichen	SC-V	E
<i>Cardamine dissecta</i>	Dissected Toothwort	SC-V	SR-P
<i>Cardamine douglassii</i>	Douglass's Bittercress	T	SR-P
<i>Cardamine longii</i>	Long's Bittercress	SC-V	SR-T
<i>Cardamine micranthera</i>	Small-anthered Bittercress	E	E
<i>Cardamine rotundifolia</i>	Mountain Watercress	T	SR-P
<i>Carex argyrantha</i>	Hay Sedge	E	SR-P
<i>Carex barrattii</i>	Barratt's Sedge	SC-H	E
<i>Carex buxbaumii</i>	Brown Bog Sedge	SC-V	SR-P
<i>Carex careyana</i>	Carey's Sedge	T	SR-P
<i>Carex cherokeensis</i>	Cherokee Sedge	E	SR-P
<i>Carex conoidea</i>	Cone-shaped Sedge	SC-V	T
<i>Carex cristatella</i>	Small-crested Sedge	SC-H	SR-P
<i>Carex decomposita</i>	Cypress Knee Sedge	SC-V	SR-T
<i>Carex eburnea</i>	Bristle-leaf Sedge	T	SR-P
<i>Carex exilis</i>	Coastal Sedge	E	T
<i>Carex hitchcockiana</i>	Hitchcock's Sedge	SC-V	SR-P
<i>Carex hormathodes</i>	A Sedge	T	SR-P
<i>Carex lutea</i>	Golden Sedge	E	E
<i>Carex oligocarpa</i>	Rich-woods Sedge	T	SR-P
<i>Carex oligosperma</i>	Few-seeded Sedge	E	E
<i>Carex pedunculata</i>	Longstalk Sedge	SC-V	SR-P
<i>Carex purpurifera</i>	Purple Sedge	SC-V	SR-P
<i>Carex radfordii</i>	Radford's Sedge	T	E
<i>Carex reniformis</i>	Kidney Sedge	T	SR-P
<i>Carex schweinitzii</i>	Schweinitz's Sedge	SR	E
<i>Carex tenax</i>	Wire Sedge	E	SR-P
<i>Carex trisperma</i>	Three-seeded Sedge	E	SR-P
<i>Carex vestita</i>	Velvet Sedge	SC-H	SR-P
<i>Carya laciniosa</i>	Big Shellbark Hickory	T	SR-P
<i>Carya myristiciformis</i>	Nutmeg Hickory	E	E
<i>Celastrus scandens</i>	American Bittersweet	E	SR-P
<i>Cetraria arenaria</i>	Sand-loving Iceland Lichen	SC-V	SR-P
<i>Chamaesyce cordifolia</i>	Heartleaf Sandmat	T	SR-P
<i>Chamerion platyphyllum</i>	Fireweed	E	SR-P
<i>Chasmanthium nitidum</i>	A Spanglegrass	T	SR-T
<i>Cheirolejeunea evansii</i>	A liverwort	SR	E
<i>Chelone cuthbertii</i>	Cuthbert's Turtlehead	T	SR-L
<i>Chenopodium simplex</i>	Giant-seed Goosefoot	SC-H	SR-P
<i>Chiloscyphus appalachianus</i>	A Liverwort	SC-V	SR-T
<i>Chiloscyphus muricatus</i>	A Liverwort	SC-V	SR-D
<i>Chrysoma pauciflosculosa</i>	Woody Goldenrod	E	E
<i>Cirsium carolinianum</i>	Carolina Thistle	E	SR-P
<i>Cirsium lecontei</i>	Leconte's Thistle	SC-V	SR-P
<i>Cladonia psoromica</i>	Bluff Mountain Reindeer Lichen	T	SR-L
<i>Clematis occidentalis</i>	Mountain Clematis	SC-V	SR-P

Scientific Name	Common Name	Proposed Status	Current State Status
<i>Clinopodium georgianum</i>	Georgia Calamint	E	SR-P
<i>Coeloglossum viride var. virescens</i>	Long-bracted Frog Orchid	E	SR-P
<i>Coelorachis cylindrica</i>	Carolina Jointgrass	SC-H	SR-P
<i>Collinsonia tuberosa</i>	Piedmont Horsebalm	SC-V	SR-P
<i>Collinsonia verticillata</i>	Whorled Horsebalm	SC-V	SR-T
<i>Conioselinum chinense</i>	Hemlock-parsley	T	E
<i>Coptis trifolia var. groenlandica</i>	Goldthread	T	SR-P
<i>Cornus asperifolia</i>	Roughleaf Dogwood	E	SR-P
<i>Corydalis micrantha ssp. micrantha</i>	Slender Corydalis	T	SR-P
<i>Crinum americanum</i>	Swamp-lily	SC-H	SR-P
<i>Crocanthemum bicknellii</i>	Plains Sunrose	SC-V	SR-P
<i>Crocanthemum carolinianum</i>	Carolina Sunrose	E	SR-P
<i>Crocanthemum corymbosum</i>	Pinebarren Sunrose	T	SR-P
<i>Crocanthemum georgianum</i>	Georgia Sunrose	E	SR-P
<i>Crocanthemum nashii</i>	Florida Scrub Frostweed	E	E
<i>Crocanthemum propinquum</i>	Creeping Sunrose	T	SR-P
<i>Crocanthemum rosmarinifolium</i>	Rosemary Sunrose	T	SR-P
<i>Croton monanthogynus</i>	Prairie-tea Croton	E	SR-P
<i>Cyperus dentatus</i>	Toothed Flatsedge	SC-H	SR-P
<i>Cyperus granitophilus</i>	Granite Flatsedge	T	SR-T
<i>Cyperus lecontei</i>	Leconte's Flatsedge	T	SR-P
<i>Cyperus tetragonus</i>	Four-angled Flatsedge	SC-V	SR-P
<i>Cystopteris tennesseensis</i>	Tennessee Bladder-fern	E	E-SC
<i>Dalibarda repens</i>	Robin Runaway	E	E
<i>Delphinium exaltatum</i>	Tall Larkspur	E	E-SC
<i>Deschampsia cespitosa ssp. glauca</i>	Tufted Hairgrass	T	SR-P
<i>Desmodium ochroleucum</i>	Creamy Tick-trefoil	SC-H	SR-T
<i>Desmodium sessilifolium</i>	Sessile Tick-trefoil	SC-H	SR-P
<i>Diarrhena americana</i>	Eastern Beakgrass	E	SR-P
<i>Dichanthelium aciculare ssp. neuranthum</i>	Nerved Witch Grass	SC-V	SR-D
<i>Dichanthelium caerulescens</i>	Blue Witch Grass	E	E
<i>Dichanthelium hirsutum</i>	Hirsts' Panic Grass	E	E
<i>Diervilla rivularis</i>	Riverbank Bush-honeysuckle	T	SR-T
<i>Dionaea muscipula</i>	Venus Flytrap	SC-V	SR-L, SC
<i>Dodecatheon meadia var. meadia</i>	Eastern Shooting-Star	T	SR-P
<i>Draba ramosissima</i>	Branching Draba	SC-V	SR-P
<i>Drepanolejeunea appalachiana</i>	A Liverwort	SC-V	SR-L
<i>Drosera filiformis</i>	Threadleaf Sundew	SC-V	SR-P
<i>Echinacea laevigata</i>	Smooth Coneflower	E	E-SC
<i>Echinacea purpurea</i>	Purple Coneflower	SC-V	SR-P
<i>Echinodorus tenellus</i>	Dwarf Burhead	E	SR-T
<i>Eleocharis cellulosa</i>	Gulfcoast Spikerush	E	SR-P
<i>Eleocharis elongata</i>	Florida Spikerush	E	SR-P
<i>Eleocharis halophila</i>	Saltmarsh Spikerush	SR	T
<i>Eleocharis robbinsii</i>	Robbins' Spikerush	SC-V	SR-P
<i>Eleocharis vivipara</i>	Viviparous Spikerush	E	SR-O
<i>Elymus trachycaulus ssp. trachycaulus</i>	Slender Wheatgrass	T	SR-P
<i>Elymus virginicus var. halophilus</i>	Terrell Grass	SC-V	SR-P
<i>Enemion biternatum</i>	Eastern Isopyrum	SC-V	SR-P
<i>Epidendrum magnoliae</i>	Green Fly Orchid	T	SR-P
<i>Eriocaulon aquaticum</i>	Seven-angled Pipewort	SC-V	SR-P
<i>Eriocaulon lineare</i>	Narrow Pipewort	SR	E
<i>Eriocaulon parkeri</i>	Estuary Pipewort	T	SR-T

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<i>Eriocaulon texense</i>	Texas Hatpins	E	E
<i>Eriogonum tomentosum</i>	Southern Wild-buckwheat	SC-H	SR-P
<i>Erythrina herbacea</i>	Coralbean	E	SR-P
<i>Eupatorium leptophyllum</i>	Limesink Dog-fennel	E	SR-P
<i>Eupatorium paludicola</i>	Bay Boneset	T	SR-L
<i>Eupatorium resinosum</i>	Pine Barren Boneset	SR	T
<i>Euphorbia commutata</i>	Cliff Spurge	T	SR-P
<i>Euphorbia mercurialina</i>	Cumberland Spurge	SC-V	SR-P
<i>Filipendula rubra</i>	Queen-of-the-prairie	E	E
<i>Fimbristylis perpusilla</i>	Harper's Fimbrystyle	T	E
<i>Fleischmannia incarnatum</i>	Pink Thoroughwort	T	SR-P
<i>Gaillardia aestivalis</i> var. <i>aestivalis</i>	Sandhills Gaillardia	E	SR-P
<i>Galactia mollis</i>	Soft Milk-pea	T	SR-P
<i>Gaylussacia brachycera</i>	Box Huckleberry	E	SR-D
<i>Gaylussacia nana</i>	Confederate Huckleberry	E	E
<i>Gelsemium rankinii</i>	Swamp Jessamine	SC-V	SR-P
<i>Gentiana alba</i>	Yellow Gentian	SC-H	SR-D
<i>Gentianopsis crinita</i>	Fringed Gentian	T	E-SC
<i>Geum aleppicum</i>	Yellow Avens	E	SR-P
<i>Geum geniculatum</i>	Bent Avens	SC-V	T
<i>Geum laciniatum</i> var. <i>trichocarpum</i>	Rough Avens	E	SR-P
<i>Geum lobatum</i>	Lobed Barren-strawberry	E	SR-T
<i>Geum radiatum</i>	Spreading Avens	E	E-SC
<i>Gillenia stipulata</i>	Indian Physic	T	SR-P
<i>Glyceria nubigena</i>	Smoky Mountain Mannagrass	SR	T
<i>Gratiola aurea</i>	Golden Hedge-hyssop	SC-V	SR-O
<i>Gymnocarpium appalachianum</i>	Appalachian Oak Fern	T	E
<i>Gymnoderma lineare</i>	Rock Gnome Lichen	E	E
<i>Hasteola suaveolens</i>	Sweet Indian-plantain	SC-H	SR-T
<i>Helenium brevifolium</i>	Littleleaf Sneezeweed	E	E
<i>Helenium vernale</i>	Spring Sneezeweed	E	E
<i>Helianthus floridanus</i>	Florida Sunflower	T	E
<i>Helianthus laevigatus</i>	Smooth Sunflower	SC-V	SR-P
<i>Helianthus occidentalis</i> var. <i>dowellianus</i>	Few-leaf Sunflower	SC-H	SR-P
<i>Helianthus schweinitzii</i>	Schweinitz's Sunflower	E	E
<i>Helonias bullata</i>	Swamp Pink	T	T-SC
<i>Hexastylis contracta</i>	Mountain Heartleaf	E	E
<i>Hexastylis naniflora</i>	Dwarf-flowered Heartleaf	T	T
<i>Hexastylis rhombiformis</i>	French Broad Heartleaf	SR	T
<i>Hibiscus aculeatus</i>	Comfortroot	T	SR-P
<i>Hierochloe odorata</i>	Holy Grass	SR	E
<i>Houstonia montana</i>	Roan Mountain Bluet	E	E
<i>Hudsonia montana</i>	Mountain Golden-heather	T	T
<i>Hudsonia tomentosa</i>	Sand Heather	T	SR-P
<i>Hydrastis canadensis</i>	Goldenseal	SR	E
<i>Hymenocallis occidentalis</i>	Hillside Spider-lily	SC-H	SR-P
<i>Hymenocallis pygmaea</i>	Waccamaw River Spiderlily	T	SR-L
<i>Hymenophyllum tayloriae</i>	Gorge Filmy Fern	SR	E
<i>Hypericum adpressum</i>	Bog St. John's-wort	SC-H	SR-T
<i>Hypericum brachyphyllum</i>	Coastal Plain St. John's-wort	SC-V	SR-P
<i>Hypericum fasciculatum</i>	Peelbark St. John's-wort	E	SR-D
<i>Hypericum suffruticosum</i>	Pineland St. John's-wort	SC-H	SR-P
<i>Ilex collina</i>	Long-stalked Holly	SC-V	T

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<i>Ipomoea imperati</i>	Beach Morning-glory	T	SR-P
<i>Isoetes microvelia</i>	Thin-wall Quillwort	T	E
<i>Isoetes piedmontana</i>	Piedmont Quillwort	E	T
<i>Isotria medeoloides</i>	Small Whorled Pogonia	T	T
<i>Iva microcephala</i>	Small-headed Marsh Elder	T	SR-P
<i>Jeffersonia diphylla</i>	Twinleaf	T	SR-P
<i>Juncus caesariensis</i>	New Jersey Rush	E	E
<i>Juncus trifidus</i>	Highland Rush	SR	E
<i>Juniperus communis var. depressa</i>	Dwarf Juniper	SC-V	SR-D
<i>Kalmia angustifolia</i>	Sheep-laurel	T	SR-P
<i>Lachnocaulon minus</i>	Brown Bogbutton	T	SR-P
<i>Lechea maritima var. virginica</i>	Maritime Pinweed	E	SR-T
<i>Lechea torreyi</i>	Torrey's Pinweed	E	SR-P
<i>Lejeunea blomquistii</i>	A Liverwort	SC-V	SR-L
<i>Leptochloa fascicularis var. maritima</i>	Long-awned Spangletop	E	SR-O
<i>Liatris aspera</i>	Rough Blazing-star	T	SR-P
<i>Liatris helleri</i>	Heller's Blazing-star	T	T-SC
<i>Liatris microcephala</i>	Small-head Blazing-star	SC-V	SR-P
<i>Lilaeopsis carolinensis</i>	Carolina Grasswort	SR	T
<i>Lilium canadense ssp. canadense</i>	Yellow Canada Lily	E	SR-P
<i>Lilium canadense ssp. editorum</i>	Red Canada Lily	E	SR-P
<i>Lilium grayi</i>	Gray's Lily	T	T-SC
<i>Lilium philadelphicum var. philadelphicum</i>	Wood Lily	E	SR-P
<i>Lilium pyrophilum</i>	Sandhills Lily	E	E-SC
<i>Limosella australis</i>	Awl-leaf Mudwort	T	SR-P
<i>Lindera melissifolia</i>	Pondberry	E	E
<i>Lindera subcoriacea</i>	Bog Spicebush	SR	T
<i>Linum floridanum var. chrysocarpum</i>	Yellow-fruited Flax	T	SR-T
<i>Linum sulcatum var. sulcatum</i>	Glade Flax	SC-H	SR-P
<i>Liparis loeselii</i>	Fen Orchid	E	SR-P
<i>Lipocarpha micrantha</i>	Small-flowered Hemicarpha	SC-H	E
<i>Lithospermum canescens</i>	Hoary Puccoon	T	SR-P
<i>Litsea aestivalis</i>	Pondspice	SC-V	SR-T
<i>Lobelia boykinii</i>	Boykin's Lobelia	E	T
<i>Lophiola aurea</i>	Golden-crest	E	E
<i>Lotus helleri</i>	Carolina Birdfoot-trefoil	SC-V	SR-T
<i>Ludwigia lanceolata</i>	Lanceleaf Seedbox	E	SR-P
<i>Ludwigia linifolia</i>	Flaxleaf Seedbox	T	SR-P
<i>Ludwigia ravenii</i>	Raven's Seedbox	T	SR-T
<i>Ludwigia sphaerocarpa</i>	Globe-fruit Seedbox	E	SR-P
<i>Ludwigia suffruticosa</i>	Shrubby Seedbox	T	SR-P
<i>Lysimachia asperulifolia</i>	Rough-leaf Loosestrife	E	E
<i>Lysimachia fraseri</i>	Fraser's Loosestrife	E	E
<i>Macbridea caroliniana</i>	Carolina Boggart-mint	E	T
<i>Magnolia macrophylla</i>	Bigleaf Magnolia	T	SR-P
<i>Malaxis spicata</i>	Florida Adder's-mouth	SC-V	SR-P
<i>Marshallia grandiflora</i>	Large-flowered Barbara's-buttons	SC-H	SR-T
<i>Marshallia trinervia</i>	Broadleaf Barbara's-buttons	SC-H	SR-P
<i>Melica nitens</i>	Three-flowered Melic	E	SR-P
<i>Menyanthes trifoliata</i>	Buckbean	T	T
<i>Micranthes pensylvanica</i>	Swamp Saxifrage	E	SR-P
<i>Micropolypondium nimbata</i>	West Indian Dwarf Polypody	T	E
<i>Minuartia godfreyi</i>	Godfrey's Sandwort	E	E

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<i>Minuartia groenlandica</i>	Greenland Sandwort	T	SR-D
<i>Minuartia uniflora</i>	Single-flowered Sandwort	E	E
<i>Monotropis odorata</i>	Sweet Pinesap	SC-V	SR-T
<i>Muhlenbergia glomerata</i>	Spiked Muhly	SC-V	SR-P
<i>Muhlenbergia sobolifera</i>	Rock Muhly	SC-V	SR-P
<i>Muhlenbergia torreyana</i>	Pinebarren Smokegrass	SC-V	E
<i>Myrica gale</i>	Sweet Gale	E	E
<i>Myriophyllum laxum</i>	Loose Water-milfoil	E	T
<i>Myriophyllum tenellum</i>	Leafless Water-milfoil	E	SR-P
<i>Narthecium americanum</i>	Bog Asphodel	SR	E
<i>Narthecium montanum</i>	Appalachian Yellow Asphodel	SC-H	SR-L
<i>Oenothera perennis</i>	Perennial Sundrops	SC-V	SR-P
<i>Oldenlandia boscii</i>	Bosc's Bluet	E	SR-P
<i>Orbexilum macrophyllum</i>	Bigleaf Scurfpea	SC-H	E
<i>Orbexilum onobrychis</i>	Lanceleaf Scurfpea	SC-H	SR-T
<i>Orthotrichum keeverae</i>	Keever's Bristle-moss	SR	E
<i>Oxypolis canbyi</i>	Canby's Dropwort	E	E
<i>Pachysandra procumbens</i>	Allegheny Spurge	E	SR-P
<i>Packera millefolium</i>	Divided-leaf Ragwort	T	T
<i>Packera paupercula</i> var. <i>appalachiana</i>	Prairie Ragwort	T	SR-P
<i>Packera schweinitziana</i> (= <i>Senecio schweinitzianus</i>)	Schweinitz's Ragwort	T	E
<i>Panicum flexile</i>	Wiry Panic Grass	T	SR-P
<i>Parietaria praetermissa</i>	Large-seed Pellitory	SC-V	SR-P
<i>Parnassia caroliniana</i>	Carolina Grass-of-parnassus	T	E
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-parnassus	T	T
<i>Paronychia herniarioides</i>	Michaux's Whitlow-wort	E	E
<i>Paspalum dissectum</i>	Mudbank Crown Grass	E	SR-P
<i>Pedicularis lanceolata</i>	Swamp Lousewort	T	SR-P
<i>Pellaea wrightiana</i>	Wright's Cliff-brake	E	E-SC
<i>Persicaria hirsuta</i>	Hairy Smartweed	E	SR-P
<i>Phacelia maculata</i>	Spotted Phacelia	E	SR-P
<i>Phegopteris connectilis</i>	Northern Beech Fern	E	SR-P
<i>Phemeranthus</i> sp. I (= <i>Talinum mengesii</i>)	Large-flowered fameflower	SR	E
<i>Pinguicula pumila</i>	Small Butterwort	E	SR-P
<i>Pityopsis graminifolia</i> var. <i>graminifolia</i>	A Silkglass	E	SR-P
<i>Plantago cordata</i>	Heart-leaf Plantain	E	E
<i>Plantago sparsiflora</i>	Pineland Plantain	T	E
<i>Platanthera grandiflora</i>	Large Purple-fringed Orchid	T	SR-P
<i>Platanthera integra</i>	Yellow Fringeless Orchid	SC-V	T
<i>Platanthera integrilabia</i>	White Fringeless Orchid	SC-H	E
<i>Platanthera nivea</i>	Snowy Orchid	T	T
<i>Platanthera peramoena</i>	Purple Fringeless Orchid	T	SR-P
<i>Poa saltuensis</i>	A Bluegrass	T	SR-P
<i>Poa paludigena</i>	Bog Bluegrass	SR	E
<i>Polemonium reptans</i> var. <i>reptans</i>	Jacob's Ladder	T	SR-P
<i>Polygala hookeri</i>	Hooker's Milkwort	SC-V	SR-T
<i>Polygonella articulata</i>	Coast Jointweed	SC-H	SR-P
<i>Polygonum glaucum</i>	Seabeach Knotweed	E	SR-T
<i>Ponthieva racemosa</i>	Shadow-witch	T	SR-P
<i>Portulaca smallii</i>	Small's Portulaca	T	T
<i>Prenanthes alba</i>	White Rattlesnakeroot	T	SR-P
<i>Pteroglossaspis ecrystata</i>	Spiked Medusa	E	E
<i>Ptilimnium costatum</i>	Ribbed Bishop-weed	T	SR-P

Scientific Name	Common Name	Proposed Status	Current State Status
<i>Ptilimnium nodosum</i>	Harperella	E	E
<i>Pyrola elliptica</i>	Elliptic Shinleaf	SC-H	SR-P
<i>Pyxidanthera brevifolia</i>	Sandhills Pyxie-moss	SR	E
<i>Quercus ilicifolia</i>	Bear Oak	E	T
<i>Quercus prinoides</i>	Dwarf Chinquapin Oak	E	SR-P
<i>Ranunculus ambigens</i>	Water-plantain Spearwort	SC-H	SR-P
<i>Ranunculus flabellaris</i>	Yellow Water-crowfoot	SC-H	SR-P
<i>Ranunculus hederaceus</i>	Ivy Buttercup	SC-H	SR-D
<i>Rhexia aristosa</i>	Awned Meadow-beauty	SC-V	T
<i>Rhodiola rosea</i> (= <i>Sedum rosea</i>)	Roseroot	E	E
<i>Rhododendron prinophyllum</i>	Election Pink	T	SR-P
<i>Rhus michauxii</i>	Michaux's Sumac	E	E-SC
<i>Rhynchospora crinipes</i>	Alabama Beaksedge	T	E
<i>Rhynchospora decurrens</i>	Swamp Forest Beaksedge	T	SR-P
<i>Rhynchospora harperi</i>	Harper's Beaksedge	SC-V	SR-P
<i>Rhynchospora macra</i>	Southern White Beaksedge	T	E
<i>Rhynchospora odorata</i>	Fragrant Beaksedge	SC-V	E
<i>Rhynchospora pleiantha</i>	Coastal Beaksedge	T	T
<i>Rhynchospora thornei</i>	Thorne's Beaksedge	SC-V	E
<i>Rhynchospora tracyi</i>	Tracy's Beaksedge	T	SR-P
<i>Rubus idaeus</i> ssp. <i>strigosus</i>	Red Raspberry	T	SR-P
<i>Rudbeckia heliopsis</i>	Sun-facing Coneflower	SC-H	E
<i>Ruellia ciliosa</i>	Sandhills Wild-petunia	T	SR-P
<i>Ruellia humilis</i>	Low Wild-petunia	E	T
<i>Ruellia purshiana</i>	Pursh's Wild-petunia	SC-V	SR-O
<i>Ruellia strepens</i>	Limestone Wild-petunia	E	SR-P
<i>Rugelia nudicaulis</i>	Rugel's Ragwort	SR	T
<i>Sabal palmetto</i>	Cabbage Palm	T	SR-P
<i>Sabatia kennedyana</i>	Plymouth Gentian	T	T-SC
<i>Sageretia minutiflora</i>	Small-flowered Buckthorn	T	SR-P
<i>Sagittaria chapmanii</i>	Chapman's Arrowhead	E	SR-P
<i>Sagittaria fasciculata</i>	Bunched Arrowhead	E	E
<i>Sagittaria isoetiformis</i>	Quillwort Arrowhead	T	SR-P
<i>Sagittaria macrocarpa</i>	Streamhead Sagittaria	T	SR-L
<i>Sagittaria weatherbyana</i>	Grassleaf Arrowhead	E	SR-T
<i>Sarracenia jonesii</i>	Mountain Sweet Pitcher Plant	E	E-SC
<i>Sarracenia minor</i>	Hooded Pitcher Plant	E	T
<i>Sarracenia oreophila</i>	Green Pitcher Plant	E	E-SC
<i>Sceptridium jenmanii</i>	Alabama Grape-fern	SC-V	SR-P
<i>Schisandra glabra</i>	Magnolia Vine	T	T-SC
<i>Schlotheimia lancifolia</i>	Highlands Moss	SR	T
<i>Schwalbea americana</i>	Chaffseed	E	E
<i>Scirpus flaccidifolius</i>	Reclining Bulrush	E	E
<i>Scirpus lineatus</i>	Drooping Bulrush	T	SR-P
<i>Scleria baldwinii</i>	Baldwin's Nutrush	T	SR-P
<i>Scleria reticularis</i>	Netted Nutrush	T	SR-O
<i>Scutellaria australis</i>	Southern Skullcap	E	SR-P
<i>Scutellaria galericulata</i>	Hooded Skullcap	SC-H	SR-P
<i>Scutellaria leonardii</i>	Shale-barren Skullcap	E	SR-P
<i>Scutellaria nervosa</i>	Veined Skullcap	E	SR-P
<i>Sebastiania fruticosa</i>	Sebastian-bush	SC-V	SR-T
<i>Sedum pusillum</i>	Puck's Orpine	E	E
<i>Seymeria pectinata</i>	Sticky Afzelia	SC-H	SR-P

Scientific Name	Common Name	Proposed Status	Current State Status
<i>Shortia galacifolia</i> var. <i>brevistyla</i>	Northern Oconee Bells	E	E-SC
<i>Shortia galacifolia</i> var. <i>galacifolia</i>	Southern Oconee Bells	SC-V	E-SC
<i>Sideroxylon tenax</i>	Tough Bumelia	T	SR-P
<i>Silene ovata</i>	Mountain Catchfly	SC-V	SR-T
<i>Silphium connatum</i>	Virginia Cup-plant	SC-V	SR-T
<i>Silphium perfoliatum</i>	Northern Cup-plant	T	SR-P
<i>Sisyrinchium dichotomum</i>	White Irisette	E	E
<i>Solidago leavenworthii</i>	Leavenworth's Goldenrod	T	SR-P
<i>Solidago plumosa</i>	Yadkin River Goldenrod	T	E
<i>Solidago ptarmicoides</i>	Prairie Goldenrod	E	E
<i>Solidago radula</i>	Western Rough Goldenrod	E	SR-P
<i>Solidago rigida</i> var. <i>rigida</i>	Southeastern Bold Goldenrod	T	SR-P
<i>Solidago spithamea</i>	Blue Ridge Goldenrod	T	T
<i>Solidago tortifolia</i>	Twisted-leaf Goldenrod	E	SR-P
<i>Solidago verna</i>	Spring-flowering Goldenrod	SR	T
<i>Solidago villosicarpa</i>	Coastal Goldenrod	E	E
<i>Sparganium emersum</i>	Greenfruit Bur-reed	T	SR-P
<i>Spartina pectinata</i>	Freshwater Cordgrass	SC-V	SR-P
<i>Sphagnum contortum</i>	A Peatmoss	T	SR-D
<i>Sphagnum fuscum</i>	Brown Peatmoss	SR	E
<i>Sphenolobopsis pearsonii</i>	A liverwort	SR	E
<i>Spigelia marilandica</i>	Pink-root	T	E
<i>Spiraea corymbosa</i>	Shinyleaf Meadowsweet	E	SR-O
<i>Spiraea virginiana</i>	Virginia Spiraea	T	T
<i>Spiranthes eatonii</i>	Eaton's Ladies'-tresses	E	SR-L
<i>Spiranthes lacera</i> var. <i>lacera</i>	Northern Slender Ladies'-tresses	SC-H	SR-D
<i>Spiranthes laciniata</i>	Lace-lip Ladies'-tresses	SC-V	SR-P
<i>Spiranthes longilabris</i>	Giant Spiral Orchid	E	T
<i>Spiranthes lucida</i>	Shining Ladies'-tresses	E	SR-O
<i>Spiranthes ochroleuca</i>	Yellow Ladies'-tresses	T	SR-P
<i>Sporobolus heterolepis</i>	Prairie Dropseed	T	E
<i>Sporobolus teretifolius</i>	Wireleaf Dropseed	T	T
<i>Sporobolus virginicus</i>	Saltmarsh Dropseed	T	SR-P
<i>Stenanthium gramineum</i> var. <i>robustum</i>	Bog Featherbells	T	SR-P
<i>Stenanthium leimanthoides</i>	Pinebarren Death-camas	T	SR-O
<i>Streptopus amplexifolius</i>	White Mandarin	SC-V	SR-P
<i>Stylisma aquatica</i>	Water Dawnflower	E	SR-P
<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	Pickering's Dawnflower	SC-V	E
<i>Symphyotrichum depauperatum</i>	Serpentine Aster	E	SR-D
<i>Symphyotrichum georgianum</i> (= <i>Aster georgianus</i>)	Georgia Aster	T	T
<i>Symphyotrichum laeve</i> var. <i>concinnum</i>	Narrow-leaf Aster	T	SR-P
<i>Symphyotrichum oblongifolium</i>	Aromatic Aster	T	SR-P
<i>Symphyotrichum rhiannon</i>	Buck Creek Aster	T	SR-L
<i>Synandra hispidula</i>	Synandra	SC-H	SR-T
<i>Taxus canadensis</i>	Canada Yew	T	SR-P
<i>Thalictrum cooleyi</i>	Cooley's Meadowrue	E	E
<i>Thaspium pinnatifidum</i>	Mountain Thaspium	T	SR-T
<i>Thelypteris simulata</i>	Bog Fern	E	T
<i>Thermopsis fraxinifolia</i>	Ash-leaved Golden-banner	SC-V	SR-T
<i>Thermopsis mollis</i>	Appalachian Golden-banner	SC-V	SR-P
<i>Tortula ammonsiana</i>	Ammon's Tortula	SR	E
<i>Tradescantia virginiana</i>	Virginia Spiderwort	T	SR-P
<i>Triantha glutinosa</i>	Sticky Bog Asphodel	SC-V	SR-P

Scientific Name	Common Name	Proposed Status	Current State Status
<i>Trichomanes boschianum</i>	Appalachian Filmy-fern	E	T
<i>Trichomanes petersii</i>	Dwarf Filmy-fern	SR	T
<i>Trichostema brachiatum</i>	Glade Bluecurls	E	SR-P
<i>Tridens ambiguus</i>	Pineland Triodia	E	E
<i>Tridens chapmanii</i>	Chapman's Redtop	T	SR-P
<i>Tridens strictus</i>	Spike Triodia	SC-H	SR-P
<i>Trientalis borealis</i>	Starflower	E	SR-P
<i>Trifolium carolinianum</i>	Carolina Clover	SC-H	SR-O
<i>Trifolium reflexum</i>	Buffalo Clover	T	SR-T
<i>Trillium discolor</i>	Mottled Trillium	T	T
<i>Trillium flexipes</i>	Bent White Trillium	SC-H	SR-P
<i>Trillium pusillum var. ozarkanum</i>	Alabama Least Trillium	E	E
<i>Trillium pusillum var. pusillum</i>	Carolina Least Trillium	E	E
<i>Trillium pusillum var. virginianum</i>	Virginia Least Trillium	E	E
<i>Trillium sessile</i>	Sessile-flowered Trillium	T	SR-P
<i>Trillium simile</i>	Sweet White Trillium	T	SR-L
<i>Trisetum spicatum</i>	Soft Trisetum	SC-H	E
<i>Turritis glabra</i>	Tower-mustard	E	SR-P
<i>Urtica chamaedryoides</i>	Dwarf Stinging Nettle	E	SR-P
<i>Utricularia cornuta</i>	Horned Bladderwort	T	SR-P
<i>Utricularia geminiscapa</i>	Two-flowered Bladderwort	SC-V	SR-P
<i>Utricularia minor</i>	Small Bladderwort	SC-H	SR-D
<i>Utricularia olivacea</i>	Dwarf Bladderwort	T	T
<i>Utricularia resupinata</i>	Northeastern Bladderwort	E	E
<i>Vaccinium macrocarpon</i>	Cranberry	T	SR-P
<i>Veratrum woodii</i>	Ozark Bunchflower	T	SR-P
<i>Verbena riparia</i>	Riverbank Vervain	SC-H	SR-T
<i>Veronica americana</i>	American Speedwell	T	SR-P
<i>Viola appalachensis</i>	Appalachian Violet	SC-V	SR-T
<i>Warea cuneifolia</i>	Carolina Pineland-cress	E	E
<i>Woodsia ilvensis</i>	Rusty Cliff Fern	E	SR-P
<i>Xyris chapmanii</i>	Chapman's Yellow-eyed-grass	SC-V	SR-T
<i>Xyris difformis var. floridana</i>	Florida Yellow-eyed-grass	T	SR-P
<i>Xyris scabrifolia</i>	Harper's Yellow-eyed-grass	SC-V	SR-T
<i>Xyris serotina</i>	Acid-swamp Yellow-eyed-grass	T	SR-P
<i>Xyris stricta</i>	Pineland Yellow-eyed-grass	E	SR-P
<i>Zephyranthes simpsonii</i>	Rain Lily	E	E



North Carolina Natural Heritage Program - Endangered and Rare Plant Field Survey Form
Return form to: N.C. Natural Heritage Program, 1601 MSC, Raleigh, NC 27699-1601.
Visit www.ncnhp.org.

Species: _____ Common name: _____ **Survey date:** _____

EO Number (if updating existing EO): _____ **County:** _____ **7.5' Quad Map:** _____

Coordinates (if known): _____ **Elevation:** _____

If coordinates given, indicate coordinate system and datum (State Plane 1927 or 1983, UTM, etc.): _____

Site Name (if this is within previously identified site): _____

Site location and directions: (attach copy of map with site marked or use back of form to draw a sketch of the site):

Number of individuals: _____ Define individual (stem, clump, etc.): _____

Size of area in which population occurs: _____

Estimate whether the entire population was surveyed, or only a portion: _____

Estimated Population Viability (circle one): Excellent Good Fair Poor Unknown

Failed to find

Population Viability Comments: _____

Phenology (include % or # in each stage): vegetative bud flower

Evidence of reproduction: fruit seedlings clonal/vegetative

Reproduction Comments: _____

Habitat (NC NHP natural community name and description, if known; include quality, soils, geology, etc.):

Associated species: _____

Invasive species noted & degree of threat from invasive species:

If the population is within a Right-of-Way, does suitable habitat exist outside Right-of-Way?

Moisture regime (examples: inundated, dry, seasonally wet, etc):

Light (examples: open, woodland, closed canopy, etc):

Other information:

Protection / management needs and opportunities:

Landowner(s), if known:

Person making this report, Address, & Phone:

Other observers:

Specimens collected? Collection #: Repository:
(permits are required for federal or state listed species)

Draw sketch below or attach map.

INDEX OF SCIENTIFIC NAMES

- Abies fraseri*, 14
Acer nigrum, 70
Acmella repens, 14
Acmispon helleri, 14, 118
Aconitum reclinatum, 14
Aconitum uncinatum, 110
Acrobolbus ciliatus, 63, 120
Actaea pachypoda, 110
Actaea racemosa, 108
Adiantum capillus-veneris, 14, 120
Adlumia fungosa, 14, 120
Aeschynomene virginica, 14, 120
Agalinis aphylla, 70, 117
Agalinis decemloba, 70
Agalinis linifolia, 70
Agalinis obtusifolia, 71
Agalinis virgata, 14, 120
Agarista populifolia, 71
Agastache nepetoides, 14
Agrimonia incisa, 71
Agrostis altissima, 14
Agrostis mertensii, 14, 120
Aletris farinosa, 108
Allium allegheniense, 14
Allium burdickii, 71
Allium cuthbertii, 14, 120
Allium sp. 1, 15, 111
Allium tricoccum, 108
Alnus viridis ssp. crispa, 15, 120
Amaranthus pumilus, 15, 120
Amblystegium humile, 99
Amelanchier sanguinea, 15
Amorpha georgiana var. *confusa*, 15, 120
Amorpha georgiana var. *georgiana*, 15, 120
Amorpha schwerinii, 15
Ampelaster carolinianus, 71
Ampelopsis cordata, 71
Amphicarpum amphicarpon, 71
Amphicarpum muehlenbergianum, 15, 120
Amphidium mougeotii, 100
Amsonia ciliata, 71
Anacamptodon splachnoides, 100
Anaptychia setifera, 67
Anastrophyllo saxicola, 63
Andreaea rothii var. *rothii*, 100
Andreaea rupestris, 100
Andropogon arctatus, 71
Andropogon brachystachyus, 71
Andropogon longiberbis, 15
Andropogon mohrii, 15, 120
Andropogon perangustatus, 71
Andropogon tracyi, 71
Andropogon virginicus var. *decipiens*, 71
Bacopa innominata, 17, 120
Bacopa rotundifolia, 17
Balduina atropurpurea, 17, 120
Baptisia alba, 17, 120
Baptisia albescens, 17, 120
Baptisia australis var. *aberrans*, 17, 118
Baptisia bracteata, 17, 118, 120
Barbilophozia attenuata, 105
Barbilophozia barbata, 63
Barbilophozia hatcheri, 63
Bartonia paniculata ssp. *paniculata*, 72
Bartonia verna, 72
Bartonia virginica, 110
Bazzania nudicaulis, 63
Bellibarbula recurva, 56
Berberis canadensis, 17, 120
Berchemia scandens, 110
Betula cordifolia, 17, 120
Bidens coronata, 17
Bigelowia nudata ssp. *australis*, 72, 116
Boechera burkii, 72
Boechera missouriensis, 17, 118, 120
Boechera patens, 17, 118, 120
Boltonia asteroides, 17, 116
Botrychium lanceolatum var. *angustisegmentum*, 17
Botrychium matricariifolium, 17
Botrychium simplex var. *simplex*, 18
Boykinia aconitifolia, 72
Brachelyma subulatum, 100
Brachydontium trichodes, 57
Brachyelytrum aristosum, 18, 118
Brachytenium andersonii, 57
Brachytenium systylium, 57
Brachythecium acuminatum var. *cyrtophyllum*, 100
Brachythecium plumosum, 100
Brachythecium populeum, 57
Brachythecium reflexum, 100
Brachythecium rotaeanum, 57
Brachythecium rutabulum, 100
Brachythecium salebrosum, 101
Brachythecium velutinum, 101, 116
Brasenia schreberi, 110
Bromus ciliatus, 18
Bromus latiglumis, 72
Bromus nottowayanus, 73
Brothera leana, 101
Bruchia brevifolia, 57
Bruchia caroliniae, 57
Bruchia fusca, 57
Bruchia hallii, 57
Bruchia ravenelii, 101
Bruchia texana, 101
Brynia novae-angliae, 101
Bryocrumia vivicolor, 57, 120

- Bryoerythrophyllum ferruginascens*, 57
Bryoerythrophyllum inaequalifolium, 57
Bryoerythrophyllum recurvirostrum,
 101
Bryoxiphium norvegicum, 57
Bryum riparium, 57
Buchnera americana, 18, 120
Buckleya distichophylla, 18, 120
Bulbostylis warei, 18, 121
Burmannia biflora, 73
Buxbaumia aphylla, 57
Buxbaumia minakatae, 57
Calamagrostis cainii, 18, 121
Calamagrostis canadensis, 18
Calamagrostis porteri, 18
Calamovilfa brevipilis, 73
Callirhoe triangulata, 116
Callitricha terrestris, 18, 116
Calopogon multiflorus, 18, 121
Calopogon tuberosus, 110
Caltha palustris, 18, 121
Calycanthus floridus var. floridus, 73
Calystegia catesbeiana, 73, 117, 118
Calystegia spithamea ssp. purshiana,
 73
Camassia scilloides, 18, 121
Campanula aparinooides, 18
Campanula rotundifolia, 18, 121
Campanulastrum americanum, 110
Campylium stellatum, 57, 121
Campylopus atrovirens var. atrovirens,
 57
Campylopus caroliniae, 57
Campylopus oerstadianus, 58
Campylopus paradoxus, 58
Canoparmelia amabilis, 67, 121
Cardamine bulbosa, 110
Cardamine clematitis, 18
Cardamine dissecta, 19, 121
Cardamine douglassii, 19, 121
Cardamine longii, 19, 121
Cardamine micranthera, 19, 121
Cardamine rotundifolia, 19, 121
Carex albursina, 73
Carex arctata, 19
Carex argyrantha, 19, 121
Carex baileyi, 19
Carex barrattii, 19, 121
Carex basiantha, 19
Carex biltmoreana, 117
Carex bromoides ssp. montana, 73
Carex bushii, 19
Carex buxbaumii, 19, 121
Carex calcifugens, 19
Carex canescens ssp. disjuncta, 19
Carex careyana, 19, 121
Carex chapmanii, 73
Carex cherokeensis, 19, 121
Carex collinsii, 73
Carex communis var. amplisquama, 20
Carex conoidea, 20, 121
Carex corrugata, 117
Carex cristatella, 20, 121
Carex crus-corvi, 20
Carex decomposita, 20, 121
Carex deflexa, 20
Carex eburnea, 20, 121
Carex echinata ssp. echinata, 73
Carex emmonsii, 20, 116
Carex exilis, 20, 121
Carex festucacea, 73
Carex floridana, 117
Carex gholsonii, 74
Carex granularis, 74
Carex hitchcockiana, 20, 121
Carex hormathodes, 20, 121
Carex hyalinolepis, 74
Carex impressinervia, 20
Carex jamesii, 20
Carex lasiocarpa var. americana, 20
Carex leavenworthii, 74
Carex leptosperma, 20
Carex lucorum var. austrolucorum, 74
Carex lupuliformis, 20
Carex lutea, 20, 111, 121
Carex manhartii, 74
Carex meadii, 21
Carex misera, 21
Carex mitchelliana, 74
Carex oklahomensis, 74
Carex oligocarpa, 21, 121
Carex oligosperma, 21, 121
Carex pedunculata, 21, 121
Carex physorhyncha, 74
Carex projecta, 21
Carex purpurifera, 21, 121
Carex radfordii, 21, 121
Carex reniformis, 21, 121
Carex roanensis, 21
Carex ruthii, 74
Carex schweinitzii, 21, 121
Carex socialis, 21
Carex sp. 2, 21
Carex sp. 4, 21
Carex sparganioides, 75
Carex tenax, 21, 121
Carex tenera, 75
Carex tetanica, 21
Carex torta, 110
Carex trichocarpa, 22
Carex trisperma, 22, 121
Carex turgescens, 75
Carex utriculata, 22
Carex verrucosa, 22
Carex vesicaria, 22
Carex vestita, 22, 121
Carex woodii, 22
Carya laciniosa, 22, 121
Carya myristiciformis, 22, 121
Castilleja coccinea, 109
Caulophyllum giganteum, 22
Celastrus scandens, 22, 121
Celtis occidentalis, 75
Cephalozia connivens var. bifida, 63
Cephalozia macrostachya ssp. australis,
 64
Cephalozia pleniceps var. caroliniana,
 64
Cephalozia pleniceps var. pleniceps, 64
Cephaloziella hampeana, 64
Cephaloziella massalongi, 105
Cephaloziella obtusilobula, 105
Cephaloziella spinicaulis, 64
Cerastium nutans, 75, 116
Ceratiola ericoides, 112
Ceratophyllum australe, 22
Ceratophyllum echinatum, 75
Cetraria arenaria, 67, 121
Cetrelia cetrariooides, 67
Chamaecrista nictitans, 112
Chamaedaphne calyculata, 110
Chamaelirium luteum, 108
Chamaesyce bombensis, 22
Chamaesyce cordifolia, 22, 121
Chamerion platyphllum, 22, 121
Chasmanthium nitidum, 22, 121
Chasmanthium sessiliflorum, 75
Cheilanthes alabamensis, 22
Cheilolejeunea evansii, 64
Cheilolejeunea myriantha, 64
Cheilolejeunea rigidula, 64
Chelone cuthbertii, 22, 121
Chelone obliqua, 23
Chenopodium foggii, 23
Chenopodium simplex, 23, 121
Chiloscyphus appalachianus, 64, 121
Chiloscyphus muricatus, 64, 121
Chrysoma pauciflosculosa, 23, 121
Chrysopogon pauciflorus, 75
Chrysopsis scabrella, 75
Chrysopsis trichophylla, 75
Chrysosplenium americanum, 75
Cimicifuga americana, 108
Cinna latifolia, 75
Cirriphyllum piliferum, 58
Cirsium carolinianum, 23, 121
Cirsium lecontei, 23, 121
Cirsium nuttallii, 23
Cladium mariscoides, 23
Cladonia evansii, 107, 118
Cladonia psoromica, 68, 111, 121
Cladrastis kentukea, 75
Cleistes bifaria, 75
Cleistes divaricata, 76

- Cleistocarpidium palustre*, 58
Clematis catesbyana, 23, 116
Clematis crispa, 110
Clematis occidentalis, 23, 121
Clematis ochroleuca, 109
Clematis virginiana, 109
Clinopodium georgianum, 23, 122
Coeloglossum viride var. *virescens*, 23, 122
Coelorachis cylindrica, 23, 122
Coelorachis rugosa, 76
Collinsonia tuberosa, 23, 122
Collinsonia verticillata, 23, 122
Cololejeunea ornata, 64
Comptonia peregrina, 76, 109, 116
Conioselinum chinense, 23, 122
Coptis trifolia var. *groenlandica*, 24, 122
Corallorrhiza maculata, 76
Corallorrhiza odontorhiza, 76
Corallorrhiza wisteriana, 24, 116
Coreopsis delphiniiifolia, 76
Coreopsis gladiata, 110
Coreopsis grandiflora var. *grandiflora*, 24, 116
Coreopsis helianthoides, 24, 116
Coreopsis latifolia, 76, 117
Coreopsis pubescens var. *robusta*, 76
Cornus alternifolia, 110
Cornus asperifolia, 24, 122
Cornus racemosa, 24
Corydalis micrantha ssp. *micrantha*, 24, 122
Coscinodon cribrosus, 58
Crataegus aestivalis, 76
Crataegus coccinea, 24
Crataegus munda, 24
Crataegus pallens, 24, 111
Crataegus schuettei, 76
Crataegus senta, 24
Crataegus spathulata, 76
Crataegus succulenta, 24
Crinum americanum, 24, 122
Crocanthemum bicknellii, 24, 118, 122
Crocanthemum carolinianum, 24, 118, 122
Crocanthemum corymbosum, 24, 118, 122
Crocanthemum georgianum, 25, 118, 122
Crocanthemum nashii, 25, 118, 122
Crocanthemum propinquum, 25, 118, 122
Crocanthemum rosmarinifolium, 25, 118, 122
Croton monanthogynus, 25, 122
Cryphaea nervosa, 58
Cryphaea ravenelii, 101
Cuscuta cephalanthi, 25
Cuscuta coryli, 25, 110
Cuthbertia rosea, 77, 116
Cylindrocolea rhizantha, 64
Cymophyllum fraserianus, 77
Cynanchum laeve, 77, 116
Cynodontium schisti, 101, 116
Cyperus dentatus, 25, 122
Cyperus distans, 77
Cyperus granitophilus, 25, 122
Cyperus houghtonii, 25
Cyperus lecontei, 25, 122
Cyperus squarrosus, 77
Cyperus tetragonus, 25, 122
Cyperus virens, 25
Cypripedium parviflorum var. *parviflorum*, 25
Cypripedium parviflorum var. *pubescens*, 108
Cypripedium reginae, 77
Cyrtos hypnum pygmaeum, 58
Cystopteris bulbifera, 77
Cystopteris fragilis, 25
Cystopteris tennesseensis, 25, 122
Cystopteris tenuis, 25
Dalea pinnata, 77
Dalibarda repens, 25, 122
Danthonia epilis, 26
Delphinium exaltatum, 26, 122
Delphinium tricorne, 109
Dendrolycopodium dendroideum, 26
Dendrolycopodium hickeyi, 77
Deschampsia cespitosa ssp. *glaуca*, 26, 122
Desmodium cuspidatum var. *cuspidatum*, 77, 116
Desmodium fernaldii, 26
Desmodium ochroleucum, 26, 122
Desmodium pauciflorum, 77
Desmodium sessilifolium, 26, 122
Diamorpha smallii, 77
Diarrhena americana, 26, 122
Dicentra cucullaria, 110
Dicentra eximia, 26
Dichanthelium aciculare ssp. *neuranthum*, 26, 122
Dichanthelium annulum, 26
Dichanthelium boreale, 26, 116
Dichanthelium caeruleascens, 26, 122
Dichanthelium dichotomum var. *roanokense*, 78
Dichanthelium erectifolium, 78
Dichanthelium fusiforme, 26
Dichanthelium hirstii, 27, 122
Dichanthelium latifolium, 78
Dichanthelium linearifolium, 78
Dichanthelium oligosanthes var. *scribnerianum*, 78
Dichanthelium ovale var. *ovale*, 78
Dichanthelium sp. 2, 78
Dichanthelium sp. 9, 27
Dichanthelium spretum, 27
Dichelyma capillaceum, 58
Dichodontium pellucidum, 58
Dicranella rufescens, 58
Dicranella varia, 58
Dicranum fuscescens, 101
Dicranum spurium, 101
Dicranum undulatum, 58
Didiplis diandra, 27
Didymodon fallax, 58
Didymodon tophaceus, 58
Diervilla rivularis, 27, 122
Dionaea muscipula, 27, 122
Dioscorea villosa, 117
Diphasiastrum tristachyum, 110
Diphyscium mucronifolium, 101, 116
Diplazium pycnocarpon, 78
Diplophyllum andrewsii, 105
Diplophyllum apiculatum var. *taxifoloides*, 64
Diplophyllum obtusatum, 64
Diplophyllum taxifolium var. *mucronatum*, 64
Diplophyllum taxifolium var. *taxifolium*, 105
Dirca palustris, 78
Ditrichum ambiguum, 58
Ditrichum rhynchostegium, 58
Ditrysinia fruticosa, 27, 119
Dodecatheon meadia var. *meadia*, 27, 122
Draba ramosissima, 27, 122
Draba reptans, 27
Drepanolejeunea appalachiana, 64, 122
Drosera filiformis, 27, 122
Drosera rotundifolia, 109
Dryopteris carthusiana, 78
Dryopteris cristata, 78
Dryopteris goldiana, 79
Dryopteris intermedia, 110
Dryopteris ludoviciana, 79
Dumortiera hirsuta ssp. *nepalensis*, 105
Echinacea laevigata, 27, 122
Echinacea pallida, 27, 116
Echinacea purpurea, 28, 122
Echinocystis lobata, 79
Echinodorus tenellus, 28, 122
Elatine americana, 79
Elatine minima, 79
Eleocharis atropurpurea, 28
Eleocharis cellulosa, 28, 122
Eleocharis elongata, 28, 122
Eleocharis engelmannii, 79
Eleocharis equisetoides, 79
Eleocharis erythropoda, 79

- Eleocharis halophila*, 28, 122
Eleocharis melanocarpa, 79
Eleocharis microcarpa, 110
Eleocharis montevidensis, 28
Eleocharis parvula, 28
Eleocharis robbinsii, 28, 122
Eleocharis rostellata, 28
Eleocharis smallii, 79
Eleocharis tricostata, 79
Eleocharis vivipara, 28, 122
Ellisia nyctelea, 113
Elodea canadensis, 79
Elodea nuttallii, 79
Elymus canadensis, 80
Elymus riparius, 80
Elymus trachycaulus ssp. *trachycaulus*, 28, 122
Elymus virginicus var. *halophilus*, 28, 122
Encalypta procera, 58
Enemion biternatum, 28, 122
Entodon compressus, 58
Entodon concinnus, 59
Entodon sullivanii, 59
Entosthodon drummondii, 101
Ephebe americana, 68
Ephebe lanata, 68
Ephebe solida, 68
Ephemerum cohaerens, 59
Ephemerum spinulosum, 102
Epidendrum magnoliae, 28, 122
Epilobium ciliatum, 29
Epilobium leptophyllum, 80
Eragrostis frankii, 80
Eragrostis lugens, 80
Erigenia bulbosa, 80
Eriocaulon aquaticum, 29, 122
Eriocaulon compressum, 110
Eriocaulon decangulare, 110
Eriocaulon lineare, 29, 122
Eriocaulon parkeri, 29, 122
Eriocaulon texense, 29, 123
Eriogonum tomentosum, 29, 123
Eriophorum virginicum, 80
Eryngium aquaticum var. *ravenelii*, 80
Eryngium integrifolium, 110
Eryngium yuccifolium, 80
Eryngium yuccifolium var. *synchaetum*, 80
Erythrina herbacea, 29, 123
Erythronium americanum ssp. *americanum*, 80
Eucladium verticillatum, 59
Euonymus atropurpureus, 80
Eupatorium altissimum, 80
Eupatorium anomalam, 29
Eupatorium godfreyanum, 29
Eupatorium leptophyllum, 29, 123
Eupatorium paludicola, 29, 123
Eupatorium recurvans, 80
Eupatorium resinosum, 29, 123
Eupatorium saltuense, 29
Eupatorium sessilifolium var. *brittonianum*, 80
Euphorbia commutata, 29, 123
Euphorbia mercurialina, 29, 123
Euphorbia purpurea, 29
Eurybia avita, 30
Eurybia mirabilis, 30
Eurybia spectabilis, 30, 116
Eurybia surculosa, 81
Eustachys glauca, 30
Euthamia graminifolia, 81
Eutrochium maculatum var. *maculatum*, 81
Eutrochium steelei, 81
Fabronia ciliaris var. *polycarpa*, 102
Fallopia scandens var. *I.*, 81
Filipendula rubra, 30, 123
Fimbristylis perpusilla, 30, 123
Fissidens adianthoides, 102
Fissidens appalachensis, 102
Fissidens asplenioides, 59
Fissidens elegans, 102
Fissidens exilis, 102
Fissidens fontanus, 102
Fissidens hallianus, 59
Fissidens hallii, 59
Fissidens polypodioides, 102
Fissidens scalaris, 59
Fleischmannia incarnata, 30, 118
Fontinalis flaccida, 102
Fontinalis sphagnifolia, 59
Fontinalis sullivanii, 102
Fontinalis welchiana, 59
Fothergilla major, 30
Fragaria vesca, 81
Frangula caroliniana, 81
Frasera carolinensis, 30
Frullania appalachiana, 64
Frullania donnellii, 64
Frullania oakesiana, 105
Frullania plana, 105
Fuirena scirpoidea, 117
Funaria serrata, 102
Gaillardia aestivalis var. *aestivalis*, 30, 123
Galactia minor, 81
Galactia mollis, 30, 123
Galax urceolata, 108
Galium asprellum, 81
Galium lanceolatum, 81
Gaultheria hispida, 81
Gaylussacia bigeloviana, 81, 118
Gaylussacia brachycera, 30, 113, 123
Gaylussacia dumosa, 110, 118
Gaylussacia nana, 30, 123
Gaylussacia orocola, 30, 111
Gelsemium rankinii, 30, 123
Gentiana alba, 30, 123
Gentiana austromontana, 31
Gentianopsis crinita, 31, 123
Geum aleppicum, 31, 123
Geum fragarioides, 81, 119
Geum geniculatum, 31, 123
Geum laciniatum var. *trichocarpum*, 31, 123
Geum lobatum, 31, 119, 123
Geum radiatum, 31, 123
Gillenia stipulata, 31, 123
Glandularia canadensis, 81
Glyceria canadensis, 113
Glyceria laxa, 31
Glyceria nubigena, 31, 123
Goodyera repens, 82
Gratiola aurea, 31, 123
Gratiola ramosa, 31
Grimmia longirostris, 59
Grimmia olneyi, 102
Gymnocarpium appalachianum, 31, 123
Gymnoderma lineare, 68, 123
Habenaria repens, 82
Hackelia virginiana, 31
Hasteola suaveolens, 31, 123
Helenium brevifolium, 31, 123
Helenium pinnatifidum, 32
Helenium vernale, 32, 123
Helianthus floridanus, 32, 123
Helianthus glaucophyllus, 117
Helianthus laevigatus, 32, 123
Helianthus longifolius, 82
Helianthus occidentalis var. *dowellianus*, 32, 118, 123
Helianthus schweinitzii, 32, 123
Heliotropium curassavicum var. *curassavicum*, 32
Helodium paludosum, 103
Helonias bullata, 32, 123
Herpetineuron toccae, 103
Herzogiella turfacea, 59
Heteranthera multiflora, 32
Heteranthera reniformis, 82
Heterodermia appalachensis, 68
Heuchera caroliniana, 82
Heuchera hispida, 32
Heuchera longiflora, 82
Heuchera parviflora var. *parviflora*, 82
Heuchera pubescens, 32
Hexalectris spicata, 32
Hexastylis contracta, 32, 123
Hexastylis lewisii, 82
Hexastylis naniflora, 32, 123
Hexastylis rhombiformis, 32, 123
Hibiscus aculeatus, 32, 123

- Hierochloe odorata*, 33, 123
Homalia trichomanoides, 59
Homaliadelphus sharpii, 59
Hottonia inflata, 33
Houstonia longifolia var. *glabra*, 33
Houstonia montana, 33, 123
Houstonia purpurea var. *calycosa*, 82
Hudsonia montana, 33, 111, 123
Hudsonia tomentosa, 33, 35, 123
Humulus lupulus var. *lupuloides*, 82
Humulus lupulus var. *pubescens*, 82
Huperzia appressa, 83, 117
Huperzia porophila, 33
Hydrangea cinerea, 83
Hydrastis canadensis, 33, 123
Hydrocotyle americana, 117
Hydrolea corymbosa, 113
Hydrophyllum canadense, 110
Hydrophyllum macrophyllum, 33
Hydrophyllum virginianum, 110
Hygroamblystegium fluviale, 103
Hygrohypnum closteri, 59
Hylocomiastrum umbratum, 59
Hymenocallis occidentalis, 33, 123
Hymenocallis pygmaea, 33, 123
Hymenophyllum tayloriae, 33, 123
Hypericum adpressum, 33, 123
Hypericum brachyphyllum, 33, 123
Hypericum buckleyi, 83, 118
Hypericum ellipticum, 83
Hypericum fasciculatum, 33, 123
Hypericum graveolens, 83
Hypericum harperi, 113
Hypericum mitchellianum, 83
Hypericum sp. 1, 33, 111
Hypericum suffruticosum, 34, 123
Hypnum fauriei, 103
Hypnum plicatulum, 103
Hypnum pratense, 59
Hypotrichyna sinuosa, 68
Hypotrichyna virginica, 68
Hypoxis juncea, 34
Hypoxis rigidula, 34
Hypoxis sessilis, 34
Ilex ambigua, 83
Ilex amelanchier, 34
Ilex cassine var. *cassine*, 83
Ilex collina, 34, 123
Ilex longipes, 34
Ipomoea imperati, 34, 124
Ipomoea macrorhiza, 83
Ipomoea pes-caprae, 83
Ipomopsis rubra, 83
Iresine rhizomatosa, 83
Iris prismatica, 34
Isoetes hyemalis, 84
Isoetes microvela, 34, 111, 124
Isoetes piedmontana, 34, 124
Isoetes virginica, 34
Isolepis carinata, 34
Isotria medeoloides, 34, 124
Isotria verticillata, 84, 116
Iva microcephala, 34, 124
Jeffersonia diphylla, 34, 124
Juglans cinerea, 108
Juncus articulatus, 34
Juncus brachycarpus, 84
Juncus brevicaudatus, 84
Juncus caesariensis, 35, 124
Juncus dudleyi, 35
Juncus georgianus, 84
Juncus gymnocarpus, 117
Juncus longii, 84
Juncus militaris, 35
Juncus secundus, 84
Juncus torreyi, 84
Juncus trifidus, 35, 124
Juniperus communis var. *depressa*, 35, 124
Justicia americana, 110
Kalmia angustifolia, 35, 124
Kalmia carolina, 110
Kalmia cuneata, 84, 117
Krigia biflora, 84
Krigia montana, 117
Lachnocaulon anceps, 110
Lachnocaulon minus, 35, 124
Lathyrus japonicus, 117
Lathyrus palustris, 84
Lathyrus pusillus, 35
Lathyrus venosus, 85
Lechea maritima var. *virginica*, 35, 124
Lechea torreyi, 35, 124
Leersia lenticularis, 35, 116
Leiophyllum buxifolium, 109
Lejeunea bermudiana, 65
Lejeunea blomquistii, 65, 124
Lejeunea cavifolia, 65
Lejeunea dimorphophylla, 65
Lejeunea glaucescens var. *acrogyna*, 65, 111
Leptochloa fascicularis var. *maritima*, 35, 124
Leptodontium excelsum, 60
Leptodontium flexifolium, 60
Leptohymenium sharpii, 60
Leptoscyphus cuneifolius, 65
Leskeia australis, 103
Leskeella nervosa, 60
Lespedeza angustifolia, 110
Lespedeza frutescens, 85, 116
Leucodon andrewsianus, 103
Leucospora multifida, 85, 116
Liatris aspera, 35, 124
Liatris helleri, 35, 111, 124
Liatris microcephala, 35, 124
Liatris scariosa, 85
Liatris secunda, 85
Liatris squarrulosa, 35
Liatris turgida, 35
Lilaeopsis carolinensis, 36, 124
Lilium canadense ssp. *canadense*, 36, 124
Lilium canadense ssp. *editorum*, 36, 124
Lilium grayi, 36, 124
Lilium philadelphicum var. *philadelphicum*, 36, 124
Lilium pyrophilum, 36, 124
Lilium superbum var. 1, 85
Limosella australis, 36, 124
Lindbergia brachyptera, 60
Lindera melissifolia, 36, 124
Lindera subcordacea, 36, 124
Lindernia monticola, 85
Linum floridanum var. *chrysocarpum*, 36, 124
Linum sulcatum var. *sulcatum*, 36, 124
Liparis loeselii, 36, 124
Lipocarpha micrantha, 36, 124
Listera australis, 85
Listera cordata var. *cordata*, 85
Lithospermum canescens, 36, 124
Litsea aestivalis, 36, 124
Lobaria scrobiculata, 68
Lobelia boykinii, 37, 124
Lobelia sp. 1, 85
Lonicera canadensis, 37
Lonicera flava, 85, 117
Lophiola aurea, 37, 124
Lopholejeunea muelleriana, 65
Lophozia capitata, 105
Lophozia excisa, 65
Lophozia heterocolpos, 65
Ludwigia alata, 37
Ludwigia brevipes, 37
Ludwigia lanceolata, 37, 124
Ludwigia linifolia, 37, 124
Ludwigia ravenii, 37, 124
Ludwigia sphaerocarpa, 37, 124
Ludwigia suffruticosa, 37, 124
Lupinus villosus, 37, 116
Luziola fluitans, 37
Luzula multiflora, 86
Lycopodiella inundata, 37
Lycopodiella prostrata, 86
Lycopodium annotinum, 113
Lycopus amplexens, 86
Lycopus angustifolius, 38
Lycopus cokeri, 86
Lysimachia asperulifolia, 38, 124
Lysimachia fraseri, 38, 124
Lysimachia hybrida, 38
Lysimachia loomisii, 86

- Lysimachia quadriflora*, 86
Lysimachia tonsa, 38
Lythrum lanceolatum, 38
Macbridea caroliniana, 38, 124
Macrocoma sullivantii, 60
Magnolia acuminata var. *subcordata*, 86
Magnolia grandiflora, 86
Magnolia macrophylla, 38, 124
Magnolia tripetala, 109
Magnolia virginiana, 110
Malaxis bayardii, 38
Malaxis spicata, 38, 124
Manfreda virginica, 86
Mannia californica, 65
Mannia triandra, 105
Marshallia grandiflora, 38, 124
Marshallia sp. 1, 3, 38
Marshallia trinervia, 38, 124
Marsupella emarginata var. *latiloba*, 65
Marsupella funckii, 65
Matelea decipiens, 38
Matelea flavidula, 86
Matelea obliqua, 38
Meehania cordata, 38
Megaceros aenigmaticus, 67
Melanelia stygia, 68
Melica nitens, 39, 124
Menyanthes trifoliata, 39, 124
Mertensia virginica, 86
Metzgeria furcata var. *setigera*, 105
Metzgeria pubescens, 106
Metzgeria temperata, 65
Metzgeria uncigera, 106
Metzgeria violacea, 65
Micranthes careyana, 86, 118
Micranthes caroliniana, 39, 118
Micranthes micranthidifolia, 110, 119
Micranthes pensylvanica, 39, 119, 124
Micromitrium megalosporum, 103
Micromitrium synoicum, 60
Micropolypodium nimbatum, 39, 118
Milium effusum, 39
Minuartia godfreyi, 39, 124
Minuartia groenlandica, 39, 125
Minuartia uniflora, 39, 125
Monarda media, 39
Monotropis odorata, 39, 125
Muhlenbergia glabriflora, 39
Muhlenbergia glomerata, 39, 125
Muhlenbergia mexicana, 86
Muhlenbergia sobolifera, 39, 125
Muhlenbergia sylvatica, 87
Muhlenbergia torreyana, 39, 125
Mylia taylorii, 65
Myrica gale, 39, 125
Myriophyllum laxum, 39, 125
Myriophyllum pinnatum, 39
Myriophyllum tenellum, 40, 125
Najas gracillima, 87
Nardia scalaris ssp. *botryoidea*, 65
Nardia scalaris ssp. *scalaris*, 65
Narthecium americanum, 40, 125
Narthecium montanum, 40, 111, 125
Neckera complanata, 60
Nelumbo lutea, 87
Nestronia umbellula, 117
Notothylas orbicularis var. *pseudotemperata*, 106
Nuphar sagittifolia, 87
Nymphoides cordata, 87
Nyssa biflora, 19
Ochrolechia yasudae, 107
Oenothera fruticosa var. *unguiculata*, 87, 116
Oenothera perennis, 40, 125
Oenothera riparia, 40
Oldenlandia boscii, 40, 125
Onosmodium virginianum, 87
Ophioglossum crotalophoroides var. *crotalophoroides*, 87
Ophioglossum engelmannii, 114
Ophioglossum nudicaule, 87
Ophioglossum petiolatum, 87
Oplismenus hirtellus ssp. *setarius*, 40, 116
Opuntia stricta, 114
Orbexilum lupinellum, 87
Orbexilum macrophyllum, 40, 111, 125
Orbexilum onobrychis, 40, 125
Orbexilum pedunculatum var. *pedunculatum*, 88
Orontium aquaticum, 110
Orthodontium pellucens, 60
Orthotrichum exiguum, 60
Orthotrichum keeverae, 60, 125
Orthotrichum obtusifolium, 60
Orthotrichum strangulatum, 60
Osmunda cinnamomea, 114
Oxypolis canbyi, 40, 125
Oxypolis denticulata, 118
Pachysandra procumbens, 40, 125
Packera crawfordii, 40, 118
Packera millefolium, 40, 125
Packera obovata, 117
Packera paupercula, 40, 125
Packera plattensis, 40
Packera schweinitziana, 40, 125
Palamocladium leskeoides, 60
Panax quinquefolius, 108
Panax trifolius, 88
Panicum flexile, 40, 125
Panicum lithophilum, 40
Panicum tenerum, 88
Pannaria conoplea, 68
Parietaria floridana, 88
Parietaria pensylvanica, 88
Parietaria praetermissa, 40, 125
Parnassia caroliniana, 41, 125
Parnassia grandifolia, 41, 125
Paronychia argyrocoma, 110
Paronychia fastigiata var. *fastigiata*, 88, 116
Paronychia herniarioides, 41, 125
Paronychia montana, 88
Parthenium auriculatum, 41
Parthenium integrifolium var. *mabryanum*, 88
Paspalum bifidum, 88
Paspalum dissectum, 41, 125
Paspalum fluitans, 41
Paspalum praecox, 88
Paspalum pubiflorum, 88
Paspalum vaginatum, 41
Paxistima canbyi, 88
Pedicularis lanceolata, 41, 125
Pediomelum canescens, 89
Pellaea atropurpurea, 89, 109
Pellaea wrightiana, 41, 125
Pellia appalachiana, 106
Peltandra sagittifolia, 41
Peltigera hydrothyria, 107, 118
Penstemon smallii, 89
Persea borbonia, 89
Persicaria amphibia, 41
Persicaria hirsuta, 41, 125
Phacelia covillei, 41
Phacelia maculata, 41, 125
Phalaris arundinacea, 110
Phanopyrum gymnocarpon, 42
Phaseolus sinuatus, 89
Phegopteris connectilis, 42, 125
Phemeranthus sp. 1, 42, 119
Philadelphus hirsutus, 89
Philadelphus inodorus, 89
Philonotis cernua, 60
Philonotis longisetata, 103
Philonotis marchica, 103
Philonotis uncinata, 60
Phlox amplifolia, 89
Phlox divaricata ssp. *divaricata*, 89
Phlox divaricata ssp. *laphamii*, 89
Phlox subulata, 42
Physalis lanceolata, 89
Physcia pseudospeciosa, 68
Phytolacca rigida, 90
Pieris floribunda, 90, 110
Pilosium chlorophyllum, 60
Pinguicula caerulea, 109
Pinguicula lutea, 42
Pinguicula pumila, 42, 125
Pinus strobus, 110
Pityopsis graminifolia var. *graminifolia*, 42, 125

- Plagiochasma intermedium*, 66
Plagiochasma wrightii, 66
Plagiochila austini, 66
Plagiochila caduciloba, 66
Plagiochila columbiana, 106
Plagiochila corniculata, 66
Plagiochila dubia, 66
Plagiochila echinata, 66
Plagiochila ludoviciana, 66
Plagiochila miradorensis var. *miradorensis*, 66
Plagiochila sharpii, 66
Plagiochila sullivantii var. *spinigera*, 66
Plagiochila sullivantii var. *sullivantii*, 66
Plagiochila undata, 106
Plagiochila virginica var. *caroliniana*, 66
Plagiochila virginica var. *euryphylla*, 106
Plagiochila virginica var. *virginica*, 67
Plagiommium carolinianum, 61
Plagiommium ellipticum, 61
Plagiommium rostratum, 61
Plantago cordata, 42, 125
Plantago sparsiflora, 42, 125
Platanthera blephariglottis, 90
Platanthera chapmanii, 90
Platanthera cristata, 110
Platanthera flava var. *herbiola*, 42, 110
Platanthera grandiflora, 42, 125
Platanthera integra, 42, 125
Platanthera integrilabia, 42, 125
Platanthera lacera, 109
Platanthera nivea, 42, 125
Platanthera peramoena, 42, 125
Platismatia glauca, 107
Platydictya confervoides, 61
Platydictya subtilis, 103
Platyhypnidium pringlei, 61
Platyhypnidium riparioides, 61
Pleea tenuifolia, 109
Pleuridium sullivantii, 61
Pleurochaete luteola, 61
Poa nemoralis, 90
Poa paludigena, 43, 125
Poa palustris, 43
Poa saltuensis, 43, 125
Pogonatum dentatum, 61
Pogonia ophioglossoides, 109, 110
Pohlia lescuriana, 61
Pohlia longicollis, 103
Pohlia melanodon, 61
Polemonium reptans, 43, 125
Polemonium reptans var. *reptans*, 43, 125
Polygala grandiflora, 43
Polygala hookeri, 43, 125
Polygala nana, 43
Polygala senega, 43
Polygonella americana, 90
Polygonella articulata, 43, 125
Polygonella gracilis, 90, 114
Polygonum erectum, 90
Polygonum glaucum, 43, 125
Polygonum ramosissimum var. *prolificum*, 90
Polygonum tenue, 90
Polymnia canadensis, 90
Polytrichastrum alpinum, 61
Polytrichum appalachianum, 104
Ponthieva racemosa, 43, 125
Populus grandidentata, 90
Porella japonica ssp. *appalachiana*, 106
Porella wataugensis, 67
Porpidia cinereoatra, 107
Porpidia diversa, 68
Porpidia herteliana, 68
Porpidia macrocarpa, 107
Porpidia tuberculosa, 107
Portulaca smallii, 43, 125
Potamogeton amplifolius, 43
Potamogeton confervoides, 43
Potamogeton foliosus, 90
Potamogeton illinoensis, 43
Potamogeton natans, 43
Potamogeton nodosus, 43
Potamogeton tennesseensis, 44
Prenanthes alba, 44, 125
Prenanthes roanensis, 91
Prosartes maculata, 117
Prunus nigra, 91
Prunus pumila var. *susquehanae*, 44
Prunus umbellata, 91
Pseudognaphalium helleri, 44
Pseudognaphalium micradenium, 44
Psilotum nudum, 91, 117
Ptelea trifoliata, 91
Pterigynandrum filiforme, 104
Pteroglossaspis ecristata, 44, 125
Ptilidium ciliare, 67
Ptilidium pulcherrimum, 106
Ptilimnium ahlesii, 44
Ptilimnium costatum, 44, 125
Ptilimnium nodosum, 44, 126
Punctelia reddenda, 107
Pycnanthemum clinopodioides, 91
Pycnanthemum curvipes, 44, 116
Pycnanthemum flexuosum, 110
Pycnanthemum setosum, 44, 116
Pycnanthemum torrei, 44
Pycnanthemum virginianum, 44
Pylaisiella polyantha, 104
Pyrola americana, 91
Pyrola elliptica, 44, 126
Pyxidanthera barbulata, 44, 118
Pyxidanthera brevifolia, 44, 118, 126
Quercus austrina, 44
Quercus bicolor, 91
Quercus elliotii, 44, 116
Quercus geminata, 107
Quercus ilicifolia, 45, 126
Quercus imbricaria, 91
Quercus minima, 45, 116
Quercus muehlenbergii, 91
Quercus palustris, 92
Quercus prinoides, 45, 126
Racomitrium aciculare, 61
Radula sullivantii, 67
Radula tenax, 106
Radula voluta, 67
Ranunculus allegheniensis, 92
Ranunculus ambigens, 45, 126
Ranunculus fascicularis, 45
Ranunculus flabellaris, 45, 126
Ranunculus hederaceus, 45, 126
Ranunculus laxicaulis, 92
Ranunculus micranthus, 45
Rauiella scita, 104
Reboulia hemisphaerica ssp. *dioica*, 106
Rhabdoweisia crenulata, 61
Rhachithecium perpusillum, 61
Rhexia aristosa, 45, 126
Rhexia cubensis, 92, 117
Rhodiola rosea, 45, 126
Rhododendron catawbiense, 109, 110
Rhododendron cumberlandense, 45
Rhododendron minus, 109
Rhododendron prinophyllum, 45, 126
Rhododendron vaseyi, 45, 111
Rhus michauxii, 45, 126
Rhynchospora alba, 45
Rhynchospora breviseta, 45
Rhynchospora careyana, 92
Rhynchospora cephalantha var. *attenuata*, 92
Rhynchospora chalarocephala, 110
Rhynchospora crinipes, 46, 126
Rhynchospora decurrens, 46, 126
Rhynchospora divergens, 46
Rhynchospora globularis, 118
Rhynchospora gracilenta, 110
Rhynchospora harperi, 46, 126
Rhynchospora inundata, 92
Rhynchospora leptocarpa, 92
Rhynchospora macra, 46, 126
Rhynchospora macrostachya var. *colpophila*, 92
Rhynchospora microcarpa, 46, 116
Rhynchospora nitens, 92
Rhynchospora odorata, 46, 126

- Rhynchospora oligantha*, 92
Rhynchospora pallida, 92
Rhynchospora pinetorum, 46, 118
Rhynchospora pleiantha, 46, 126
Rhynchospora scirpoidea, 93, 117
Rhynchospora stenophylla, 93
Rhynchospora thornei, 46, 126
Rhynchospora tracyi, 46, 126
Rhynchospora wrightiana, 93
Rhytidadelphus subpinnatus, 61
Rhytidium rugosum, 61
Riccardia jugata, 67
Riccia beyrichiana, 106, 116
Ricciocarpos natans, 106
Robinia hartwegii, 46
Robinia hispida var. *fertilis*, 46
Robinia hispida var. *kelseyi*, 46
Robinia hispida var. *rosea*, 93
Robinia viscosa, 93
Rubus idaeus ssp. *strigosus*, 46, 126
Rudbeckia heliopsis, 46, 126
Rudbeckia laciniata var. *humilis*, 93
Rudbeckia triloba var. *pinnatiflora*, 46
Rudbeckia triloba var. *rupestris*, 93
Ruellia ciliosa, 47, 126
Ruellia humilis, 47, 126
Ruellia purshiana, 47, 126
Ruellia strepens, 47, 126
Rugelia nudicaulis, 47, 126
Rumex altissimus, 93
Sabal palmetto, 47, 126
Sabatia brachiata, 110
Sabatia brevifolia, 114
Sabatia campestris, 93
Sabatia capitata, 93
Sabatia dodecandra, 93, 114
Sabatia kennedyana, 47, 126
Sabatia quadrangula, 93
Sageretia minutiflora, 47, 126
Sagina procumbens, 93
Sagittaria calycina var. *spongiosa*, 94
Sagittaria chapmanii, 47, 126
Sagittaria engelmanniana, 94
Sagittaria fasciculata, 47, 126
Sagittaria isoetiformis, 47, 126
Sagittaria macrocarpa, 47, 126
Sagittaria platyphylla, 94
Sagittaria stagnorum, 47
Sagittaria weatheriana, 47, 126
Salix humilis, 110
Salvia azurea, 47
Sanguinaria canadensis, 108
Sarracenia flava, 108, 110
Sarracenia jonesii, 47, 126
Sarracenia minor, 48, 126
Sarracenia oreophila, 48, 126
Sarracenia purpurea, 108, 110
Sarracenia purpurea ssp. *venosa*, 108
Sarracenia rubra ssp. *rubra*, 108
Scapania mucronata, 67
Sceptridium jenmanii, 48, 118, 126
Sceptridium lunarioides, 48, 118
Sceptridium multifidum, 48, 118
Sceptridium oneidense, 48, 118
Schisandra glabra, 48, 126
Schizachyrium littorale, 94
Schlotheimia lancifolia, 61, 126
Schoenolirion croceum, 94
Schoenoplectus acutus, 48
Schoenoplectus americanus, 94
Schoenoplectus californicus, 94
Schoenoplectus etuberculatus, 48
Schoenoplectus subterminalis, 48
Schwalbea americana, 48, 126
Scirpus divaricatus, 94
Scirpus flaccidifolius, 48, 126
Scirpus lineatus, 48, 126
Scirpus pendulus, 48
Scleria baldwinii, 48, 126
Scleria georgiana, 94, 117
Scleria reticularis, 48, 126
Scleria sp. 1, 48, 111
Scleria verticillata, 49
Sclerolepis uniflora, 49, 116
Scopelophila cataractae, 62
Scopelophila ligulata, 62
Scutellaria australis, 49, 126
Scutellaria galericulata, 49, 126
Scutellaria incana, 114
Scutellaria leonardii, 49, 126
Scutellaria mellichampii, 94, 116
Scutellaria nervosa, 49, 126
Scutellaria ovata ssp. *bracteata*, 94
Scutellaria ovata ssp. *ovata* var. *ovata*, 94, 119
Scutellaria ovata ssp. *rugosa* var. 1, 49
Scutellaria parvula, 114
Scutellaria saxatilis, 49
Scutellaria serrata, 94
Sedum glaucophyllum, 49
Sedum pusillum, 49, 126
Senna hebecarpa, 94
Sesuvium maritimum, 49
Sesuvium portulacastrum, 49
Seymeria pectinata, 49, 126
Shortia galacifolia var. *brevistyla*, 49, 111, 127
Shortia galacifolia var. *galacifolia*, 49, 127
Sibbaldiopsis tridentata, 117
Sida elliptii, 49
Sideroxylon lycioides, 95
Sideroxylon tenax, 49, 127
Silene caroliniana var. *caroliniana*, 95
Silene caroliniana var. *penylvanica*, 95
Silene ovata, 49, 127
Silphium asteriscus var. *laevicaule*, 95
Silphium connatum, 50, 127
Silphium perfoliatum, 50, 127
Silphium terebinthinaceum, 50
Sisyrinchium dichotomum, 50, 127
Sisyrinchium montanum var. *crebrum*, 95, 116
Sium suave, 110
Smilax biltmoreana, 117
Smilax hugeri, 50
Smilax lasioneura, 50
Smilax laurifolia, 110
Smilax pseudochina, 95
Solanum pseudogracile, 50
Solidago arguta var. *arguta*, 95
Solidago gracillima, 95
Solidago lancifolia, 95
Solidago leavenworthii, 50, 127
Solidago patula var. *strictula*, 95
Solidago plumosa, 50, 111, 127
Solidago ptarmicoides, 50, 127
Solidago puberula var. *puberula*, 95
Solidago pulchra, 95
Solidago radula, 50, 127
Solidago rigida var. *glabrata*, 50, 118
Solidago rigida var. *rigida*, 50, 118, 127
Solidago simulans, 50
Solidago spithamea, 50, 127
Solidago squarrosa, 50
Solidago tarda, 95
Solidago tortifolia, 51, 127
Solidago uliginosa, 51
Solidago ulmifolia, 51
Solidago verna, 51, 127
Solidago villosicarpa, 51, 111, 127
Sparganium emersum, 51, 127
Spartina pectinata, 51, 127
Spergularia salina, 96
Sphagnum angustifolium, 62
Sphagnum capillifolium, 62
Sphagnum contortum, 62, 127
Sphagnum cribrosum, 104, 119
Sphagnum cuspidatum, 110
Sphagnum fallax, 62
Sphagnum fitzgeraldii, 104
Sphagnum flavicomans, 62
Sphagnum flexuosum, 62
Sphagnum fuscum, 62, 127
Sphagnum henryense, 104
Sphagnum macrophyllum, 119
Sphagnum pylaesii, 62
Sphagnum russowii, 62
Sphagnum squarrosum, 62
Sphagnum strictum, 110
Sphagnum subsecundum, 62
Sphagnum tenellum, 62
Sphagnum tenerum, 110

- Sphagnum torreyanum*, 62
Sphagnum warnstorffii, 62
Sphenolobopsis pearsonii, 67, 127
Sphenopholis intermedia, 96
Spigelia marilandica, 51, 127
Spiraea alba, 96
Spiraea betulifolia, 119
Spiraea corymbosa, 51, 119, 127
Spiraea latifolia, 96
Spiraea virginiana, 51, 127
Spiranthes eatonii, 51, 127
Spiranthes floridana, 51
Spiranthes lacera var. *lacera*, 51, 127
Spiranthes laciniata, 51, 127
Spiranthes longilabris, 51, 127
Spiranthes lucida, 51, 127
Spiranthes ochroleuca, 52, 127
Spirodela polyrrhiza, 96
Splachnum pennsylvanicum, 62
Sporobolus curtissii, 114
Sporobolus heterolepis, 52, 127
Sporobolus pinetorum, 96
Sporobolus teretifolius, 52, 127
Sporobolus virginicus, 52, 127
Stachys aspera, 96
Stachys clingmanii, 52
Stachys cordata, 52
Stachys eplingii, 52
Stachys hyssopifolia, 96
Stachys hyssopifolia var. *hyssopifolia*, 96
Stachys sp. 1, 52
Stachys tenuifolia, 52
Stellaria alsine, 96, 117
Stellaria corei, 96
Stenanthium gramineum, 52, 109, 119, 127
Stenanthium gramineum var. *robustum*, 52, 119, 127
Stenanthium leimanthoides, 52, 119, 127
Stewartia ovata, 52
Sticta limbata, 68
Streptopus amplexifolius, 52, 127
Stuckenia pectinata, 96
Stylisma aquatica, 52, 127
Stylisma pickeringii, 52, 127
Stylisma pickeringii var. *pickeringii*, 52, 127
Sympyotrichum depauperatum, 52, 127
Sympyotrichum elliotii, 96
Sympyotrichum firmum, 96
Sympyotrichum georgianum, 52, 127
Sympyotrichum laeve var. *concinnum*, 52, 127
Sympyotrichum laeve var. *laeve*, 53
Sympyotrichum lanceolatum, 96
Sympyotrichum lanceolatum var. *lanceolatum*, 96
Sympyotrichum novae-angliae, 97
Sympyotrichum oblongifolium, 53, 127
Sympyotrichum parviceps, 53
Sympyotrichum rhiannon, 53, 111, 127
Sympyotrichum shortii, 53
Symplocarpus foetidus, 110
Synandra hispidula, 53, 127
Syngonanthus flavidulus, 97
Syrrhopodon incompletus, 62
Taxiphyllum alternans, 62
Taxiphyllum cuspidifolium, 63
Taxodium ascendens, 20
Taxus canadensis, 53, 127
Teloschistes flavicans, 68
Tetragonotheca helianthoides, 97
Tetrodontium brownianum, 63
Thalictrum cooleyi, 53, 127
Thalictrum macrostylum, 53
Thaspium pinnatifidum, 53, 127
Thelypteris simulata, 53, 127
Thermopsis fraxinifolia, 53, 127
Thermopsis mollis, 53, 127
Thermopsis villosa, 97
Thuidium allenii, 104
Thuidium recognitum, 104
Thuja occidentalis, 97
Tilia americana var. *americana*, 97
Torreyochloa pallida, 53
Tortella flavovirens, 104
Tortula ammoniana, 63, 127
Tortula fragilis, 63
Tortula papillosa, 63
Tortula plinthobia, 63
Toxicodendron radicans ssp. *negundo*, 114
Toxicodendron vernix, 110
Tradescantia hirsuticaulis, 97, 116
Tradescantia virginiana, 53, 127
Triadenum fraseri, 54
Triadenum tubulosum, 97
Triadenum virginicum, 110
Triantha glutinosa, 54, 119, 127
Trichomanes boschianum, 54, 128
Trichomanes intricatum, 117
Trichomanes petersii, 54, 128
Trichophorum cespitosum, 54
Trichostema brachiatum, 54, 128
Trichostema setaceum, 54
Trichostema sp. 1, 54
Tridens ambiguus, 54, 128
Tridens carolinianus, 97, 118
Tridens chapmanii, 54, 128
Tridens strictus, 54, 128
Trientalis borealis, 54, 128
Trifolium carolinianum, 54, 128
Trifolium reflexum, 54, 128
Trillium catesbaei, 108
Trillium cernuum, 114
Trillium cuneatum, 108
Trillium discolor, 54, 128
Trillium erectum, 108
Trillium flexipes, 55, 128
Trillium grandiflorum, 108
Trillium lancifolium, 115
Trillium luteum, 108
Trillium pusillum var. *ozarkanum*, 55, 128
Trillium pusillum var. *pusillum*, 55, 128
Trillium pusillum var. *virginianum*, 55, 128
Trillium recurvatum, 55
Trillium rugelii, 97
Trillium sessile, 55, 128
Trillium simile, 55, 128
Trillium sulcatum, 108, 117
Trillium undulatum, 109
Triosteum angustifolium, 97
Triosteum aurantiacum, 97
Triphora trianthophoros var. *triantophoros*, 97, 119
Trisetum spicatum, 55, 128
Tritomaria exsectiformis ssp. *exsectiformis*, 67
Tsuga canadensis, 109, 110, 117
Tsuga caroliniana, 109
Tuerckheimia svihlae, 104
Turritis glabra, 55, 118, 128
Typha domingensis, 98
Urtica chamaedryoides, 55, 128
Urtica gracilis, 115
Usnea angulata, 68
Utricularia biflora, 110
Utricularia cornuta, 55, 128
Utricularia floridana, 55
Utricularia foliosa, 98
Utricularia geminiscapa, 55, 128
Utricularia macrorhiza, 55
Utricularia minor, 55, 128
Utricularia olivacea, 55, 128
Utricularia resupinata, 55, 128
Utricularia subulata, 110
Vaccinium hirsutum, 98
Vaccinium macrocarpon, 55, 128
Vaccinium virgatum, 55
Valerianella umbilicata, 98
Veratrum woodii, 56, 128
Verbena hastata, 98, 117
Verbena riparia, 56, 128
Verbena scabra, 98
Verbesina helianthoides, 98
Verbesina virginica var. *virginica*, 98, 117
Verbesina walteri, 56
Vernonia angustifolia, 115

- Veronica americana*, 56, 128
Veronica anagallis-aquatica, 98
Veronicastrum virginicum, 98
Vigna luteola, 98
Viola appalachiensis, 56, 128
Viola blanda, 109
Viola brittoniana, 98
Viola labradorica, 98, 117
Viola tripartita var. *glaberrima*, 98, 117
Viola tripartita var. *tripartita*, 99, 117
Viola villosa, 99
Viola walteri, 56
Vittaria appalachiana, 118
Waldsteinia fragarioides, 119
Warea cuneifolia, 56, 128
Warnstorfia fluitans, 63
Weissia brachycarpa, 63
Weissia ludoviciana, 63
Weissia muehlenbergiana, 104
Weissia sharpii, 63
Woodsia appalachiana, 56
Woodsia ilvensis, 56, 128
Xanthoparmelia monticola, 69
Xerophyllum asphodeloides, 118
Xyris baldwiniana, 110
Xyris brevifolia, 99
Xyris chapmanii, 56, 128
Xyris curtissii, 110
Xyris difformis, 119, 128
Xyris flabelliformis, 99
Xyris floridana, 56, 119
Xyris iridifolia, 99
Xyris jupicai, 110
Xyris scabrifolia, 56, 128
Xyris serotina, 56, 128
Xyris smalliana, 99
Xyris stricta, 56, 128
Yucca aloifolia, 99
Yucca flaccida, 99
Yucca gloriosa, 56
Zannichellia palustris, 99
Zephyranthes simpsonii, 56, 128
Zigadenus elegans, 119
Zizania aquatica, 99
Zosterella dubia, 99
Zygodon viridissimus var. 1, 63
Zygodon viridissimus var. *rupestris*, 105